automotive test diagnostic and charging equipment

Dependable
Since 1918

durst.com.au

proud australian manufacturer
In 1910 John Durst, a Swiss Electrical Engineer and inventor who served his apprenticeship with the well respected electrical company Brown Boveri, migrated to Australia. He established his own business designing and manufacturing in 1918 in Sydney.

John was responsible for some wonderful inventions for this era including:

• Rotary Converters specially designed for the fledging cinema industry. They were used for powering up high wattage incandescent lamps and charging batteries.
• Dynamotors for converting various currents and voltages from DC to DC and AC.
• Transformers from 1 Kva to 1000 Kva.
• Slide projecting machines that projected advertising pictures onto the sides of buildings from “8 feet to 100 feet”.

Since its inception the company has built up a reputation for reliability and innovation which has continued through three generations of the Durst family, the culture having been created by the first two generations. John's son Albert (also an inventive electrical engineer) was involved in the business from the early days and successfully built on his father's strong beginnings.

Today Durst Motor & Electric Industries is driven by Albert's sons John and Roger Durst and the company continues to be known in the trade for producing high-tech Diagnostic, Electrical Testing and Charging Equipment. Durst supply Australia-wide and export to over 20 countries.

Durst has a long history of providing equipment designed for performance, durability and economy, as evidenced by the current product range, covering Auto Electrical Test Benches, Ignition System Analysers, Battery Load Testers, Electronic Regulator Testers, Battery Chargers and Jump Starters for all industries, Load Banks as well as high performance Multimeters, Oscilloscopes and other Computer Safe Testers that are such an important addition to today's workshops.

To maintain the high standards set, Durst continually invest in the latest technology. Their CAD CAM and CNC manufacturing facilities, together with an extensive R&D program, will ensure that they continue to manufacture well into the future.

*Australian Manufacturers of OH&S Compliant Equipment.*
4 POWERFUL MOBILE JUMP STARTERS

5 SUPER DUTY LONG LIFE PORTABLE JUMP STARTERS

6 INDUSTRIAL WORKSHOP BATTERY CHARGERS

7 GENERAL PURPOSE CHARGERS

8 BCD & BCSW FULLY AUTOMATIC SWITCHMODE CHARGERS

9 PROGRAMMING POWER SUPPLIES

10 BCS-A FULLY AUTOMATIC SMARTCHARGERS

11 BCS FULLY AUTOMATIC SWITCHMODE BATTERY CHARGERS

12 PURE SINE WAVE DC/AC INVERTERS

13 DC/DC CHARGERS, BATTERIES & ANDERSON PLUGS

14 GANG CHARGERS & UPS/SOLAR BATTERY CHARGERS

15 LOAD BANKS

16 BATTERY LOAD TESTERS & CALIBRATION SERVICE

17 BATTERY ANALYSERS & ELECTRICAL TESTERS

18 DIGITAL MULTIMETERS

19 CURRENT CLAMP METERS & MULTIMETER ACCESSORIES

20 DIAGNOSTIC TOOLS

21 BATTERY FUEL/VOLT & AMP METER ACCESSORIES

22 AMPS VOLTS RESISTANCE METERS & AUTOMOTIVE TESTERS

23 HAND TOOLS & WORKSHOP EQUIPMENT

24 ALTERNATOR/STARTER TEST BENCHES & ACCESSORIES

26 DURST SMARTWASHERS

28 REPAIR & CALIBRATION

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FAX: (02) 9692 0251
EMAIL: sales@durst.com.au
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ACCOUNTS AVAILABLE UPON REQUEST.

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**Heavy Duty Mobile Jump Starters**

Durst were approached a few years back to build a jump starter that would be strong, reliable and be able to repeatedly start heavy vehicles, in this case a bus fleet, and would withstand punishment under the most trying of circumstances. Hence the BJT Series was born, and what outstanding successes these units have been and continue to be.

These unique Jump Starters are now the highest capacity units available on the market. As the word has spread, we now supply these units to car and truck dealers, workshops, TAFE colleges, government and private bus fleets, other government departments, local councils, transport companies, mining and earthmoving companies, the military, aviation, the list goes on. Durst can supply you with a jump starter to suit just about any application. If we don’t have one off the shelf we’ll make you one.

Why has the BJT series been so successful? Very simply, they work, and they keep working. When it has to go, our jump starters get the job done and then some. Let’s have a look at some of the features:

- Fully sealed, maintenance free, high quality AGM Batteries on all units for long trouble free life
- All units are fuse, anti-spike and reverse polarity protected
- Battery isolation switch with voltage selector
- Pneumatic wheels on all trolley models
- All units are powder coated steel cased and made by Durst in Australia for long life under extreme conditions
- OH&S compliant
- Will jump start vehicles with dead flat batteries
- Can be used as a portable power supply
- No exposed connections or components to virtually eliminate any OH&S Risk
- Automatic switchmode battery charger supplied with every unit to recharge the pack
- Available in 12 volt only, 24 volt only or a combination of 12 and 24 volt or custom built voltages for Aviation use such as the 30 Volt BJT-300
- Whether it is the lift and wheel BJT-4000 for light to medium use, the very popular BJT-200 for heavier applications or the mighty top of the line BJT-510B or BJT-520B, you will get real grunt from real jump starters at a value for money price, that’s the Durst way of doing things. Just give us a call.

<table>
<thead>
<tr>
<th>BJT-75</th>
<th>BJT-4000</th>
<th>BJT-101 Tiger</th>
<th>BJT-200 Scorpion</th>
<th>BJT-201 Scorpion 24</th>
<th>BJT-510B Big Mother</th>
<th>BJT-520B Big Mother 4</th>
<th>BJT-300 JET-P</th>
<th>BJT-520B</th>
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<tr>
<td>Dino</td>
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<td>Sheep</td>
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<td>Y</td>
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<tr>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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</tr>
</tbody>
</table>

**BJT-4000**

- All units are powder coated steel cased
- Pneumatic wheels on all trolley models
- Battery isolation switch with voltage selector
- Fully sealed, maintenance free, high quality AGM Batteries on all units for long trouble free life
- All units are fuse, anti-spike and reverse polarity protected
- Battery isolation switch with voltage selector
- Pneumatic wheels on all trolley models
- All units are powder coated steel cased and made by Durst in Australia for long life under extreme conditions
- OH&S compliant
- Will jump start vehicles with dead flat batteries
- Can be used as a portable power supply
- No exposed connections or components to virtually eliminate any OH&S Risk
- Automatic switchmode battery charger supplied with every unit to recharge the pack
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- Whether it is the lift and wheel BJT-4000 for light to medium use, the very popular BJT-200 for heavier applications or the mighty top of the line BJT-510B or BJT-520B, you will get real grunt from real jump starters at a value for money price, that’s the Durst way of doing things. Just give us a call.
### Super Duty Long Life Portable Jump Starters

If getting it going is the name of the game, then Durst have the range of **Super Duty Long Life Portable Jump Starters** that will get the job done without giving you grief.

Manufactured for Australian conditions by Durst, our jump starters are all steel cased and use the very latest technology in fully sealed AGM batteries to give maximum output well in excess of what the competition can offer.

Catering for either 12 volt or 24 volt systems or a combination of both, Durst Jump Starters are anti-spike and fuse protected as well as incorporating a reverse polarity warning buzzer so you can’t go too far wrong.

The **BJC-2000** and **BJC-4012** are extensively used by car dealers and workshops alike. We then move up to the mighty and very popular **BJC-4000** that delivers a whopping 4000 Peak Amps at 12 volts and a 4000 Peak Amps at 24 volts, all in a package that weighs less than 20 Kg. If you would like a trolley version, see the **BJT-4000**.

The **BJC-4024** is a 24 volt only version of the **BJC 4000** manufactured to cater for Industrial and Government applications. Durst have raised the bar even higher with the introduction of the **BJC-4800 TWIN PACK** that was created to meet the demands of 12 and 24 volt users where lightweight (each pack is less than 15 Kg), high output units were required to get heavy applications moving. The only one of its type on the market and is very popular with mobile breakdown services where space is limited in the back of a work truck and real grunt is required to fix the problem.

What about re charging the pack you might say, Durst supply a fully automatic switchmode charger included in the price of every jump starter. These set and forget chargers plug into the rear of the jump pack and will keep the batteries at optimum charge levels. If you require re charging whilst driving along between jobs, Durst can provide as an optional extra, a DC-DC switchmode charger in either 12-12 volt or 12-24 volt and the necessary wiring harness to make it happen. Too Easy!

We mentioned Long Life, if a problem does arise, you are covered in the first instance by 12 months warranty and should any problems occur further down the track all of our units are fully repairable with all parts, including batteries, available from Durst.

The game of seeing how far you can throw the old plastic jump starter is over!

Get a real Jump Starter that will do the job, get it going and go the distance, get Durst!

---

**Call us for custom built Jump Starters & repairs to all makes**

**ANTI SPIKE & STANDARD JUMPER LEADS**

Manufactured to your requirements using very flexible multi-strand insulated copper cable with fully insulated colour coded & shunted booster clamps. Ask us about Custom Printing your Company details on the Jumper Cables.

---

### Durst Super Duty Portable Jump Starters

<table>
<thead>
<tr>
<th>Durst Model BJ</th>
<th>BJC-2000</th>
<th>BJC-4012</th>
<th>BJC-4000</th>
<th>BJC-4000AP</th>
<th>BJC-4000MS</th>
<th>BJC-4024 24V</th>
<th>BJC-4800 24V</th>
<th>BJC-4038 24V</th>
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<tr>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Volts 24</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
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<td>340</td>
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<td>680</td>
<td>680</td>
<td>800</td>
<td>400</td>
<td>400</td>
<td>400</td>
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<tr>
<td>Cold Cranking Amps @ 24 V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
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<td>4,800</td>
<td>4,000</td>
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<tr>
<td>Buzzer Reverse</td>
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<td>Y</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Anti Spike</td>
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<td>Y</td>
<td>Y</td>
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<td>6 Amps 12V</td>
<td>4 Amps 24V</td>
<td>4 Amps 24V</td>
<td>4 Amps 24V</td>
<td>4 Amps 24V</td>
<td>4 Amps 24V</td>
<td>4 Amps 24V</td>
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<td>Cable Length</td>
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<td>1.8 Mtr</td>
<td>1.8 Mtr</td>
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<td>1.8 Mtr</td>
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<td>35.0 mm²</td>
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<td>Y</td>
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<tr>
<td>Dimensions WxDxH cm</td>
<td>10x23x33</td>
<td>21x24x39</td>
<td>21x24x39</td>
<td>21x24x39</td>
<td>21x24x39</td>
<td>21x24x39</td>
<td>21x24x39</td>
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<td>18.5</td>
<td>18.5</td>
<td>18.5</td>
<td>18.5</td>
<td>2 X 15.0</td>
<td>2 X 15.0</td>
<td>2 X 15.0</td>
</tr>
</tbody>
</table>
Industrial Workshop
Battery Chargers

Are you in the market for an Australian Made High Output Battery Charger that will also jump start a vehicle?... Then look no further, Durst will have a charger to suit your application, if not, we will make it for you!

When it comes to chargers or any other of our products, our uncompromising reputation for strength, quality and durability speaks for itself. Just ask any of our customers from Local Councils, Government Departments, the Mines, Earthmoving and Heavy Vehicle Workshops, the Military and Fleet owners to mention a few.

Durst are the market leaders in Industrial and Automotive Battery Chargers with voltage ranges including 6, 12, 18, 24 and 36 volts and amperage outputs from 10 amps to the peak performing BC-6100T with an extraordinary 100 amps at both 12 and 24 volts!

To accommodate the very wide cross section of applications in the marketplace Durst have developed ranges that will suit just about any requirement. All chargers have Operating Instructions on the front panels, easy to read meters, fully protected transformers, re-setable overloads and reverse polarity warning lights.

**BC-430 Series** – Exceptional General purpose 40 Amp Industrial charger that comes in either carry version or trolley version (same specs). Voltage ranges include 6, 12, 18, 24 and 36 volt and provides up to 400 Amp Boost start capacity to enable Jump Starting a vehicle. Full powder coated steel construction with Heavy Duty Transformer, wiring, cables and switches to withstand the roughest treatment and live a long trouble free life. 

Defence Stock Number NSN-6130-66-085-8304

**BC-6100 Series** – Only available in trolley version but what a package! This Market Leader has 12 and 24 volt settings with maximum continuous output of 100 Amps at 12 volt and 100 Amps at 24 volts, not to mention a massive 1200 Amp boost start capacity!

The unique transformer design of the 6100 allows for this higher output to meet and exceed the demanding requirements of the Heavy Vehicle, Earthmoving and Mining Industries, or any other application where high charge rates are required and time is of the essence.

Whatever you would like in a Battery Charger, Durst will generally be able to supply you ex stock from our Sydney factory.
BC-325 SERIES
6, 12, 24, 36 VOLT COMPACT BOOST START CHARGERS

The ideal workshop charger for any application, automotive, marine, aviation, the farm, whatever. The uses for this popular range of chargers are endless. Available in either trolley or carry versions, the robust powder coated steel construction is manufactured by Durst in Australia for Australian conditions no matter where you are.

Available in 6, 12, 24, or 36 volts, or a combination of 6/12 and 12/24 volts, the 325’s unique transformer is designed to give up to a full 25 Amps charging at any of the nominated charging voltages, plus a jump start capacity of 350 Amps as well!

Every 325 Series charger has the same features as its bigger brothers, such as easy to read ammeter, strong 4 position rotary amp switch, reverse polarity warning light, heavy duty wiring, cables and a re-setable overload button.

BC-460 Series – A step up on the BC-430, the BC-460 has 80 amp output with 6, 12 and 24 volt settings. The 460 utilises the same robust components that the BC-430 uses and is also available in carry or trolley versions. Jump Start capacity to 600 Amps if you need to get it going in a hurry. BC-430 Defence Stock Number NSN-6130-66-085-53045. BC-460 Defence Stock Number NSN-6130-66-148-6825

General Purpose Battery Chargers

BC-1612
(6 & 12V - 16A)

Steel case with carry handle and rubber buffers, fuse protected. Polarity LED indicator. Max current 16 amps with high/low switching.

BC-1624
(12 & 24V - 16A)

BC-1012
(6 & 12V - 10A)

10 amp charger, steel case with handle and rubber buffers. Fuse protected, large easy to read meter. Polarity LED indicator.

DURST GENERAL PURPOSE BATTERY CHARGERS

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<tr>
<th>Durst Model BC</th>
<th>BC-1624</th>
<th>BC-1612</th>
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DURST INDUSTRIAL WORKSHOP BATTERY CHARGERS

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<td>40x50x102</td>
<td>26x37x37</td>
<td>38x30x95</td>
<td>38x30x95</td>
<td>30x20x25</td>
<td>38x30x95</td>
</tr>
</tbody>
</table>
| Weight Kgs.   | 38       | 32      | 25     | 22      | 22     | 22     | 22     | 15     | 18     | 11
Workshop
Battery Chargers & Power Supplies

DURST BCD WORKSHOP RANGE OF BATTERY CHARGERS

Charge Batteries in Vehicle without damage to ECU or other Electronic Components (Even Calcium Batteries)

Utilising the many features, simplicity and quality of the Durst BCS Range noted previously, Durst have taken it a step further and enclosed these models in a protective powder coated steel case for workshop use that is conveniently fitted with a carry handle, rubber feet, cables and insulated clamps.

The BCD Range maintains FULL BATTERY VOLTAGE whilst the Technician is working on the vehicle or downloading data so there are no missed readings from scanners or other associated diagnostic equipment. Just ask Audi, Mercedes Benz, Land Rover, Porsche, Ford, GMH, BMW, Toyota etc throughout Australia and New Zealand.

Available in 12 volt (15, 25, 50 Amp) or 24, 36 & 48 volt (15, 25 & 48 Amp) versions, the BCD range is available in single, dual or triple channel versions, depending on the model. Multiple channel versions come with a lead set for each channel. As with the BCS range, remote control panel and a battery temperature sensor are available as options.

The uses and applications for these premium chargers are endless (see chart on this page).

BCSW Wall Mount

Durst BCSW models range from 12V 15Amp, 12V 25Amp, 12V 45Amp, 12V 60Amp, 12V 80Amp, 24V 15Amp, 24V 25Amp or 24V 40Amp. Other models available on application.

These charging systems were developed to suit a wide variety of charging applications such as emergency vehicles that don’t have the alternator capacity to fully charge batteries during jobs. Just plug the vehicle in to your Durst BCSW wall mount charging system back at the station to charge efficiently and quickly every time. Ideal for all Ambulance, Fire Vehicles, Stand-by Vehicles, Battery Charging Rooms, Workshop Hoist Applications, Mine Sites etc. Various charging plugs to suit your application, just call us for advice to suit.
Programming Power Supplies

The Durst Automotive Programming Power Supply maintains FULL BATTERY VOLTAGE without harming the sophisticated electronics when technicians are working on the vehicle during long programming and test procedures.

The Durst Programming Power Supply was developed for the Automotive market after Durst discovered workshops were losing valuable time and money during Up and Downloading data to the ECU and general Diagnostic Testing.

With the ever increasing range of more expensive, new technology batteries that are connected with the ECU and main processor units. And some data transfers taking up to 9 hours to load, any failure such as voltage and current spikes are catastrophic to vehicle electronics. Cheap battery chargers and basic power supplies are totally unsuitable for this dedicated application, as sensitive electronics in the ECU are easily destroyed by incorrect voltage & current.

**Constant clean voltage is critical**

Precise AC switching and programmable voltage control of the DURST PPS series of Programming Power Supplies has now become an Industry Standard as supplied by Ford, GMH, Mercedes, Range Rover, Porsche, Audi and Toyota etc. throughout Australia and NZ.

There are three models available:

- PPS-1270 (70Amp)
- PPS-12100 (100Amp)
- PPS-12130 (130Amp)

**DURST PPS Features:**

- Fully Automatic Fast & Safe
- Protects your ECU & main processor unit from Data loss
- Prevents Battery Failure
- High Efficiency Electronic AC Switching Transistors
- Highly Efficient (over 85%)
- Fully Automatic to suit all Batteries & ECU Applications
- Input Voltage 240 Volts AC 50 Hz
- Over Current Protection
- Over Voltage Protected
- Short Circuit Fuse Protection
- Temperature Compensated
- Spike & Surge Suppression
- Heavy Duty Leads & Insulated Battery Clamps
- Reverse Lead Protection with Piezo Buzzer Warning
- Comfortable Lifting handle, Rubber Buffers & Cable Winders
- Large LED Volt Meter
- AC Switching, Switch Mode Design
- Automatic Voltage Sensing Controls Current
- Eliminates Voltage Drop
- User Friendly Compact & Light Weight
- Suitable for Bench Testing & Servicing ECU units
- Australian Electrical Standard & EMC Compliant

The Durst Programming Power Supply suits all types of batteries:

- Gel-AGM (Maintenance Free)
- Flooded (Wet) Lead Calcium-Lead Acid-VRLA Deep Cycle etc
Complimenting our Higher Amperage BCS Range, the compact, lightweight BCS-A range puts out honest amperage figures in a robust package. Made from extruded aluminium, (no plastic here), the BCS-A range of chargers are fully automatic, set and forget units that will punch way above their weight. Utilising SwitchMode technology and fitted with thermostatically controlled cooling fans, these units show remarkable reliability and will operate for hours on end without missing a beat. Available in 12 volt (3, 6, 10 and 20 Amp) and 24 volt (4, 7, and 12 Amp) the compact design is ideal where space is at a premium. Designed to charge any type of battery, including Gel, Wet Cell, Calcium or AGM, the BCS-A Range will adapt to just about any situation or application that you can come up with and save you money at the same time. As we say, just set and forget!

Available with optional plug to suit mobility scooters, wheel chairs etc.
### SwitchMode Chargers

**DURST FULLY AUTOMATIC PREMIUM SWITCHMODE BATTERY CHARGERS**

Solve Battery Problems, just "set and forget"

Set and Forget you say? Absolutely, Durst SwitchMode Battery Chargers are microprocessor controlled to vary the charge rate in three stages from what is known as the Bulk Rate (about 60 – 70% charged) down to the Absorption Rate (almost fully charged) then finally the Float Mode (minimal charge rate) that will maintain the battery in a full state of charge and maximise battery life. Should the level of charge decrease, the charger will automatically increase to compensate thereby maintaining full battery charge. We did say automatic and we did say Set and Forget, it is that simple.

The user friendly LED, as fitted to all models, will tell you which mode the charger is in and therefore at what stage of charge the battery is in. Available in either 12, 24, 36 and 48 volt and in either single or multiple channels (charge more than one battery at a time), the Durst Range of quality SwitchMode chargers will cater for whatever type of battery you are charging whether it is Gel, Wet Cell, Calcium, or AGM.

If your application is Automotive, Marine, Mobile Home or Caravan, Mobility Appliances, Industrial or Commercial Applications, Solar, Deep Cycle, UPS Standby, it doesn’t matter; there is a quality Durst Switchmode charger that will suit your requirements irrespective of what they might be.

Make life a little less complicated and take the grief out of maintaining batteries. It may cost you a lot less than you think. Take a look at what's on offer.

---

### FEATURES OF THE BCS RANGE

- Fully Automatic SwitchMode Operation, Fast, Safe, Efficient and Economical to run
- Input Voltage 170 – 270 Volts AC @ 50Hz
- Overcharge and Short Circuit protection
- Spike and Surge Suppression
- Insulated Output Terminals to prevent accidental contact
- Australian Electrical Standard and EMC Compliant
- Can be used as a DC Power Supply
- Optional Remote Control and Temperature Sensor
- Half Power Silent Sleep Mode

---

### DURST BCS RANGE OF FULLY AUTOMATIC BATTERY CHARGERS

With the Durst BCS Range of SwitchMode chargers you will receive the highest level of quality and performance that you would expect from a Durst product. Available in 12 volt (15, 25, 45 Amp), 24 volt (15 and 25 Amp), 36 volt (20 Amp) and 48 volt (20 Amp) versions, the BCS range is available in single, dual or triple channel versions, depending on the model, and are recommended for batteries from 50 to 800 Ampere Hour Rating.

Complimenting these chargers are accessories such as remote controls and temperature sensors that make the Durst BCS range ideal for permanent installations such as Marine and Industrial situations where access to the charger and/or batteries may be limited.

Adjustable voltage and timer settings noted in the enclosed instruction book make the BCS range suitable for charging any type of battery.

**BCS-2425B Defence Stock Number NSN-6130-66-157-1101**

---

### FEATURES OF THE BCS RANGE

- Fully Automatic SwitchMode Operation, Fast, Safe, Efficient and Economical to run
- Input Voltage 170 – 270 Volts AC @ 50Hz
- Overcharge and Short Circuit protection
- Spike and Surge Suppression
- Insulated Output Terminals to prevent accidental contact
- Australian Electrical Standard and EMC Compliant
- Can be used as a DC Power Supply
- Optional Remote Control and Temperature Sensor
- Half Power Silent Sleep Mode

---

### DURST BCS SWITCHMODE CHARGERS 12, 24, 36 & 48 VOLT CALCIUM, AGM OR FLOODED BATTERIES

<table>
<thead>
<tr>
<th>Durst Model</th>
<th>BCS-1215B</th>
<th>BCS-1225C</th>
<th>BCS-1245C</th>
<th>BCS-1280B</th>
<th>BCS-1280C</th>
<th>BCS-2415B</th>
<th>BCS-2425B</th>
<th>BCS-2440B</th>
<th>BCS-3625S</th>
<th>BCS-4820</th>
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<tbody>
<tr>
<td>Weight (Kgs)</td>
<td>2.4</td>
<td>3.5</td>
<td>5</td>
<td>5.1</td>
<td>6.1</td>
<td>3.5</td>
<td>5</td>
<td>6.1</td>
<td>6.05</td>
<td>6.05</td>
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<tr>
<td>Dimensions (WxDxH cm)</td>
<td>23x20x6</td>
<td>29x24x8</td>
<td>32x25x11</td>
<td>32x25x11</td>
<td>36x31x11</td>
<td>36x31x11</td>
<td>36x31x11</td>
<td>36x31x11</td>
<td>36x31x11</td>
<td>36x31x11</td>
</tr>
<tr>
<td>Reverse Polarity Protect</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Overload Protect</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Charge Current Aux 1</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>4</td>
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<tr>
<td>Charge Current Aux 2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>4</td>
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<tr>
<td>Battery Voltages</td>
<td>13.2 – 13.8 – 14.2 VDC to suit GEL AGM Flooded Calcium</td>
<td>27.6 – 28.8 – 29.0 VDC to suit GEL AGM Flooded Calcium</td>
<td>26.8 – 27.6 – 28.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>43.2/44.4 – 55.2/56.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>26.8 – 27.6 – 28.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>43.2/44.4 – 55.2/56.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>26.8 – 27.6 – 28.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>43.2/44.4 – 55.2/56.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>26.8 – 27.6 – 28.4 VDC to suit GEL AGM Flooded Calcium</td>
<td>43.2/44.4 – 55.2/56.4 VDC to suit GEL AGM Flooded Calcium</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
<td>170 ~ 270 VAC 50-60Hz</td>
</tr>
<tr>
<td>Line/Load Regulation</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
<td>0.1% @ input voltage range / 1.5% @ output current: No Load to full Load. Over 85% Efficiency</td>
</tr>
</tbody>
</table>

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### Specimen Text

DURST MOTOR & ELECTRIC INDUSTRIES PTY LTD. 189 ST JOHNS RD, GLEBE 2037 NSW. AUSTRALIA  PH: (02) 9660 1755 sales@durst.com.au  www.durst.com.au
AC INVERTERS

DURST PURE SINE WAVE DC/AC INVERTERS

Durst Industrial Inverters range from 300watt up to 2000 Watts (other capacities available on request) and provide extremely stable and reliable clean power for mobile and permanent installations. Highly recommended for products with sensitive electronics, timers or motor powered devices. Features include switching mode design, high efficiency, low harmonic distortion, pure sine wave output voltage, GFCI built-in for 1500W/200W and 12 or 24 VDC input and 115 or 230 VAC output. LED indicators for power, over load protection and over temperature protection. The units also have protection for input low voltage and input over voltage as well as a low battery alarm and short circuit protection. They are light weight with solid extruded Aluminium case which acts as heat sink. Applications include home electronics and appliances, battery chargers for camcorder, laptops, mobile phones etc. Ideal for Ambulances and emergency vehicles, camping, boating, caravans, mobile food or coffee vans and mobile field work.

<table>
<thead>
<tr>
<th>Durst Model</th>
<th>INV-12300</th>
<th>INV-12600</th>
<th>INV-121000</th>
<th>INV-121500</th>
<th>INV-122000</th>
<th>INV-243000</th>
<th>INV-242000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Input Voltage</td>
<td>12V DC</td>
<td>24V DC</td>
<td>12V DC</td>
<td>12V DC</td>
<td>12V DC</td>
<td>24V DC</td>
<td>24V DC</td>
</tr>
<tr>
<td>Constant Output Power</td>
<td>300W</td>
<td>600 W</td>
<td>1000W</td>
<td>1500 W</td>
<td>2000W</td>
<td>300W</td>
<td>2000W</td>
</tr>
<tr>
<td>Peak Output Power</td>
<td>500W</td>
<td>1000 W</td>
<td>2000 W</td>
<td>3000 W</td>
<td>4000W</td>
<td>500W</td>
<td>4000W</td>
</tr>
<tr>
<td>(a max. of 10 min.)</td>
<td>(350W)</td>
<td>(650 W)</td>
<td>(1200 W)</td>
<td>(1800 W)</td>
<td>(2200W)</td>
<td>(350W)</td>
<td>(2200W)</td>
</tr>
<tr>
<td>Maximum Input Current</td>
<td>40 A</td>
<td>70 A</td>
<td>125 A</td>
<td>188 A</td>
<td>250 A</td>
<td>20 A</td>
<td>125 A</td>
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<tr>
<td>Output Voltage 240VAC</td>
<td>240VAC +/- 3%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Frequency</td>
<td>50 Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Consumption 240VAC</td>
<td>&lt;0.6A</td>
<td>&lt;0.6A</td>
<td>&lt;1.2A</td>
<td>&lt;1.6A</td>
<td>&lt;1.6A</td>
<td>&lt;1A</td>
<td>&lt;1A</td>
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<tr>
<td>Input Voltage Range</td>
<td>10.7V - 16.3V</td>
<td>21.4V - 33V</td>
<td>10.7V - 16.5V</td>
<td>10.7V - 16.5V</td>
<td>10.7V - 16.5V</td>
<td>21.4V - 35V</td>
<td>21.4V - 33V</td>
</tr>
<tr>
<td>Low Voltage Alarm</td>
<td>10.7V</td>
<td>21.4V</td>
<td>10.7V</td>
<td>10.7V</td>
<td>10.7V</td>
<td>21.4V</td>
<td>21.4V</td>
</tr>
<tr>
<td>Low Voltage Shutdown</td>
<td>10V</td>
<td>20V</td>
<td>10V</td>
<td>10V</td>
<td>10V</td>
<td>20V</td>
<td>20V</td>
</tr>
<tr>
<td>Efficiency Up To</td>
<td>85%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions WxDxH cm</td>
<td>21x14.6x6</td>
<td>28x23.6x8.3</td>
<td>39.5x23.6x8.3</td>
<td>41.5x28.3x10</td>
<td>41.5x28.3x10</td>
<td>21x14.6x6</td>
<td>41.5x28.3x10</td>
</tr>
<tr>
<td>Weight Kgs.</td>
<td>1.46</td>
<td>2.46</td>
<td>4</td>
<td>5.75</td>
<td>5.9</td>
<td>1.46</td>
<td>5.9</td>
</tr>
</tbody>
</table>
Batteries - Marine and Deep Cycle

Durst have the battery chargers to suit your application so what about the batteries? Customers come to Durst with many and varied problems relating to RV’s, Boats, Caravans, Camping and 4WD’s etc that are usually a result of having purchased batteries that are not suitable for the type of application and a charger that is also probably incorrect. This can result in under charging, flat batteries, battery sulphation and reduced cycle time. The problems go on and all add up to one unhappy camper with a bit of a hole in the pocket.

Have you considered the type of battery you require, Gel, AGM or Flooded? Then do you require Maintenance Free, Deep Cycle etc and in what size? Is the charger I have going to be compatible with these types of batteries and is it going to be of sufficient capacity so I can leave the Caravan Park in the morning or have to wait all day for the battery to be charged? As you can see it is not so simple.

Why don’t you call on our vast experience and let us supply you with a total package of battery/s and charger that are fully compatible with each other and give you the type of outcome and performance that you were looking for in the first place.

Before you part with your hard earned, why not give us a call. Eliminate at least one of the problems before you start.

DC/DC Battery Charger & Converter

Need to keep auxiliary batteries or your Durst Jump Starter charged when mobile or driving from job to job? Not a problem. Instead of charging direct from the vehicle’s alternator and in parallel with the vehicle’s battery/s, the Durst Power Converter/Charger will operate independently and drastically reduce the charge time for an auxiliary battery as compared to sharing the charge with the vehicle’s batteries and accessories. It will also assist to overcome voltage drop in a system where the battery/s being charged are a little way from the alternator or where you need to charge a 24V unit from a 12V system or vice versa.

Very handy for breakdown vehicles, mobile mechanics, boats or other applications where auxiliary batteries need to be re-charged that power accessories such as jump starters, refrigerators, computer systems, phones, radios etc. The Durst Power Converter/Charger increases the nominal voltage to that required to recharge batteries using SwitchMode technology and once the charger moves from Bulk Mode into Float Mode the charge rate is reduced to prevent over charging thereby maintaining optimal battery charge. Don’t hesitate to give us a call for assistance with any charging problem that you may have.

Available in the following configurations:

- 12V to 12V, Nominal Input Voltage
- 12V, Output Charge Voltage 13.8V @ 20Amp
- 12V to 24V, Nominal Input Voltage
- 12V, Output Charge Voltage 27.6V @ 5Amp
- 24V to 12V available upon request.

Andersen Plugs

Durst can supply a full range of quality Anderson and SBX Plugs to suit any application.

Available in all colours to suit the ISO Standards for Voltage with various size contacts available depending on the wire being used. Please specify cable size when ordering. Replacement contacts are also available should changes or repairs be required further down the track.

Durst also manufacture leads to your specification and larger leads can be branded with your company name, please give us a call for further details.

DURST MOTOR & ELECTRIC INDUSTRIES PTY LTD. 189 ST JOHNS RD, GLEBE 2037 NSW. AUSTRALIA PH: (02) 9660 1755 sales@durst.com.au www.durst.com.au

DURST DC/DC POWER CONVERTER/CHARGER

<table>
<thead>
<tr>
<th>Durst Model Code</th>
<th>BCA-DC1220</th>
<th>BCA-DC1205</th>
<th>BCA-DC210</th>
<th>BCA-P8120</th>
<th>BCA-P8120A</th>
<th>BCA-P81220</th>
<th>BCA-P81220A</th>
<th>BCA-P81230</th>
<th>BCA-P81240</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage VDC</td>
<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
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<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
<td>8 &gt; 16</td>
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<tr>
<td>Charge Current Amps</td>
<td>20</td>
<td>10</td>
<td>16</td>
<td>20</td>
<td>10</td>
<td>16</td>
<td>20</td>
<td>10</td>
<td>16</td>
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<td>Number of Channels</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Battery Size A/F</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
<td>12AWG - 500AWG</td>
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<tr>
<td>Weight Kgs</td>
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<td>0.8</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
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<tr>
<td>Dimensions WDxH cm</td>
<td>20x11x7</td>
<td>144x12x8</td>
<td>14x12x8</td>
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<td>21x11x7</td>
<td>20x12x8</td>
<td>28x11x7</td>
<td>30x11x7</td>
<td>30x11x7</td>
</tr>
</tbody>
</table>
Gang Chargers

**BC-1696**
**DUAL CHANNEL INDUSTRIAL GANG CHARGER**
Top of the range battery charger designed to suit the battery service industry. Fuse Protected. Large, easy to read 10 amp meters. Designed for continuous use. Fan ventilated. Illuminated rocker switches. Working range 6-96 volts. Variable charge current with 99 variations from coarse to fine charging. Twin heavy duty copper-wound separately switched transformers.

**BC-1696C**
**CALCIUM BATTERY CHARGER DUAL CHANNEL INDUSTRIAL GANG CHARGER**
Manufactured by Durst in Australia for Battery Suppliers and Manufacturers, the BC-1696C is designed to charge the all new Hybrid Calcium Batteries with single negative plate calcium, dual plate calcium and silver calcium. With all of the strength and features of the BC-1696 mentioned above, the BC-1696C will maintain battery stocks at optimal charge voltage and peak condition so that there is little chance of costly and time consuming warranty problems after the battery has been shipped to the customer. Replacement leads LS-210.

Industrial - UPS - Solar
Fully Automatic Battery Chargers

**BULK-ABSORPTION-FLOAT CHARGE**
Our range of Industrial UPS chargers will cover all your battery charging requirements from 20 Ahr. upwards in 12, 24, 32, 110, 220, 240 volts. High efficiency, compact size, short circuit protected, auto operation, Amp and Volt meter or LED charge indicator depending on models. It's important to select the correct size charger to suit the battery being charged and to suit the recharge time requirement for UPS Systems, Emergency Lighting Systems and Computer Back Up Systems. We have put together this range of industrial and UPS chargers to comply with the AS/NZS 2293.1 Standards and are suitable for VRLA, AGM, Wet Flooded and Gel batteries etc.

**Features:** Each alarm has voltage free change over contacts, Indication Controls, Local alarms, Amp and Volt Meters, Mains lamp, Manual boost initiate switch, Rectifier fuse, DC output Fuse, Low battery alarms, Charger fail, Boost on etc.

Custom chargers can be manufactured to suit specific volt and amp requirements.

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**DURST INDUSTRIAL UPS CHARGERS**

<table>
<thead>
<tr>
<th>Durst Model</th>
<th>Volts</th>
<th>Amps</th>
<th>Auto Boost</th>
<th>Manual Boost</th>
<th>Alarms</th>
<th>AS 2293.1</th>
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<tbody>
<tr>
<td>BCG-G7E-24/60AFB</td>
<td>24</td>
<td>60</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>BCG-G7E-28/35AFB</td>
<td>28</td>
<td>35</td>
<td>Y</td>
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<tr>
<td>BCG-G7E-30/18AFB</td>
<td>30</td>
<td>18</td>
<td>Y</td>
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<tr>
<td>BC-P76-20</td>
<td>48</td>
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<td>Y</td>
<td>Y</td>
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<td>Y</td>
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<td>BC-P75-16</td>
<td>48</td>
<td>15</td>
<td>Y</td>
<td>Y</td>
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<td>Y</td>
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<tr>
<td>BCG-G7E-48/35AFB</td>
<td>48</td>
<td>35</td>
<td>Y</td>
<td>Y</td>
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<td>Y</td>
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<td>BCG-G7E-108/10AFB</td>
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<td>10</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Custom made</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>
Durst Industries manufacture a range of portable high quality high capacity load banks to suit many and varied applications. If we can’t supply you with a unit off the shelf that will suit your needs, we will simply build you one.

Ideal mobile test units for UPS systems, GPU, Solar Power Systems, large battery banks or Defence applications. Available in nominal voltages of 6, 8, 12, 24, 32, 36, 48, 72 or 108 with other voltages available upon request. All units are made from powder coated steel and all are fan cooled with multiple switching arrangements that give total flexibility in either small or large increments.

When you look across the range there are a number of quality features including:

- Dual Sprung Analogue meters on smaller models
- Digital readout on larger models
- Can be either AC or DC powered depending on size (Refer to description)
- High temperature silicon insulation used on internal wiring
- Made by Durst in Australia for Australian conditions and Climate
- 100% Duty Cycle
- Rotary Cam Switches
- Quality Anderson Plugs and Sockets used
- 250mm Diameter pneumatic tyres for easy manoeuverability
- Heavy Duty Terminals for Amp Leads
- Fully insulated colour coded clamps
- Auxilliary Volt and Amp Terminals for attachment of Data Logger
- More load capacity and quality value for your dollar

Other models available upon request
Super Duty Carbon Pile Battery Load Testers

**BT-3006F**
**HEAVY DUTY BATTERY LOAD TESTER - 1000 AMPS (12.0kW)**
Designed to test Heavy Duty 6, 12 and 24 volt batteries from passenger vehicles all the way up to N200 batteries as fitted to trucks, tractors, earth moving, mining, aircraft, marine including deep cycle and other equipment. Provides the correct load for high rate discharge, cold cranking and amp/hour testing. Dual fan cooling for volume or production use. Accurate load current control incorporating heavy duty carbon pile load rheostat. New flexible cables with spiral cable protectors, insulated current clamps and built-in volt trace wire for highest accuracy. Separate analogue Volt and Amp meters for easy operation (digital meters optional). Volts 0-8, 0-16, 0-32 volts. Amps 0-2000 CCA, 0-1000 amps, 0-300 amp/hour

**BT-2003F**
**BATTERY LOAD TESTER - 500 amps (6.0kW)**
Our most popular unit with vented steel case, carry handle and rubber buffers. Separate analogue Volt and Amp meters for easy operation (digital meters optional). Accurate load current control incorporating heavy-duty carbon pile load rheostat. Cooling fan for reliable continuous use. Includes new flexible heavy duty cable with built-in volt trace wire for high accuracy. Insulated cable protectors, fully insulated covered booster clamps for maximum safety and protection. Volts 0-16 volts Amps 0-1000 CCA, 0-500 amps, 0-150 amp/hour

**BT-570F**
**BATTERY LOAD TESTER - 500 amps (6.0kW)**
Single meter with rocker switch between volts and amps makes this unit a compact, powerful tester. High rate accurate discharge through heavy duty carbon pile load rheostat. Suitable for 6 and 12 volt batteries. New heavy duty cables with an in-built trace wire for high accuracy. Spiral cable protectors, fully insulated covered booster clamps for maximum safety and protection. Volts 0-16 volts Amps 0-1000 CCA, 0-500 amps, 0-150 amp/hour.

**BT-673**
**FIXED LOAD BATTERY TESTER**
6 and 12 volt, 200 CCA fixed load battery tester with internal cooling fan. Easy to read meter scale complete with operating instructions on front panel. Steel case with carry handle and rubber buffers. Includes test leads with insulated clamps.
## Battery Analysers & Electrical Testers

**ET-20004T PORTABLE ELECTRICAL DIAGNOSTIC TESTER**

Fully portable test station you can easily test battery, electrical & charging problems on a vehicle before you remove any components. Complete with digital Amp and Volt meters. Fan cooled. **Heavy Duty Carbon Pile Rheostat** for complete electrical system loading and testing. Tests Alternator Output and Starter Motor current draw. 0-1000 Amps. Carbon Pile Load to 500 Amps (1000CCA), (1000 Amp, 2000CCA Carbon pile available on Model ET-20004LT) When used in conjunction with the supplied MM-CA1000 Inductive Current Clamp, unit will read as low as 1A up to 1000A for checking small current draw and full current leakage. Other features include large 3.5 LCD digital displays and automatic polarity indication. New flexible cables with spiral cable protectors, insulated current clamps and built-in volt trace wire for high accuracy.

**ET-20004LT** Same as ET-20004T except with higher capacity 1000A, 2000CCA Carbon Pile.

---

### Battery Analysers & Electrical Testers

**BT-8600**

**BATTERY/ELECTRICAL SYSTEM ANALYSER 6/12 VOLT**

Full function digital analyser that tests batteries as well as charging and starting system components with alternator ripple test which detects failing diodes in alternators. 50-2000 CCA range, 5 CCA resolution. CCA, IEC, EN, BCI and DIN scale 4 line, 20 character backlit LCD display shows CCAs, voltage, good/bad status. Printer interface. Detachable cables, Temperature and low charge compensation, Loose lead detection. Seven language support and soft carry case.

**BT-8600K** Complete with carry case, kit includes: BT-8600 analyser, BT-8650 2m extension cable, BT-8675 Infrared printer for test results (shown above). Replaceable cables available.

**BT-8300**

**DIGITAL BATTERY TESTER 12 VOLT**

Digital battery tester with an easy to read display. 125-1400 CCA range, 5 CCA resolution CCA, IEC, EN, BCI and DIN scale. 4 digit display shows CCAs, voltage, good/bad status. Soft carry case.

---

### ET-20004T Accessories

**MM-CA60** Inductive Amp Clamp (Range 10mA to 60 Amps)

**MM-CA2000** Inductive Amp Clamp (Range 1 to 2000 Amps)

Refer to page 19 of this catalogue for further details on the Amp Clamps.

---

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>BT-8600</th>
<th>BT-8300</th>
<th>BT-8100</th>
<th>BT-Gold Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CCA Range</strong></td>
<td>50-2000</td>
<td>125-1400</td>
<td>350-950</td>
<td>NA</td>
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<tr>
<td><strong>CCA Resolution</strong></td>
<td>5</td>
<td>5</td>
<td>2.5</td>
<td>NA</td>
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<tr>
<td><strong>Scales</strong></td>
<td>CCA, IEC, EN, BCI, DIN</td>
<td>CCA</td>
<td>CCA</td>
<td>NA</td>
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<tr>
<td><strong>Charging/Starting System</strong></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>NA</td>
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<tr>
<td><strong>Display</strong></td>
<td>4x20 Backlit LCD</td>
<td>4 Digit</td>
<td>3 LED</td>
<td>Backlit LCD</td>
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<tr>
<td><strong>Volts</strong></td>
<td>6 + 12</td>
<td>12</td>
<td>12</td>
<td>6 + 12 3V-15V DC, Max</td>
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<tr>
<td><strong>Battery types</strong></td>
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<td>NA</td>
<td>NA</td>
<td>GEL/AGM/SLA</td>
</tr>
<tr>
<td><strong>Test Capacity 6V</strong></td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>1.2Ahr to 12Ahr</td>
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<tr>
<td><strong>Test Capacity 12V</strong></td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>1.2Ahr to 100 Ahr</td>
</tr>
</tbody>
</table>

**ET-20004T**

**PORTABLE ELECTRICAL DIAGNOSTIC TESTER**

**Battery Analysers & Electrical Testers**

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**BTI-GOLD PLUS INTELLIGENT BATTERY TESTER**

Digitally programmed to test 6/12Volt SLA, GEL and FLOODED batteries 1.2Ahr to 200Ahr, automatically displays DC Voltage and Ampere hour capacity available in the battery. Quick, accurate and easy to use and identifies batteries that need to be recharged and replaced. Can also check the condition of new batteries. Weight 200grams.
Digital Multimeters

MM-78B - DURST MARKET LEADING DEDICATED AUTOMOTIVE MULTIMETER
Auto ranging volts AC/DC, frequency, resistance, over-range indication, overload protection +/-, inductive RPM pickup to 12,000 RPM, Duty cycle & Dwell angle, 40 segment analogue bar graph, Sweeping throttle position sensor, temperature measurement, diode test, audible continuity, data hold, 10 mΩ impedance. Standard inclusions: protective holster, K type thermocouple probe, inductive RPM pickup, deluxe pair of safety type test leads with removable test tips - short and long, and alligator test clips. All fully insulated.
ADDITIONAL FEATURES 3 3/4 digit (0 - 4000 count) large LCD Display, Milliseconds Pulse Width, Zero (relative readings), max/ min key, auto shut off. Fused 20 amp internal shunt. Ideal for EFI applications. Complete with easy to read 70 page instruction/training book.
Cat 111

MM-68B DURST DEDICATED AUTOMOTIVE MULTIMETER
Auto ranging volts AC/DC, frequency, resistance, over-range indication, overload protection +/-, inductive RPM pickup to 12,000 RPM, duty cycle & dwell angle, analogue bar graph, sweeping throttle position sensor, temperature measurement, diode test, audible continuity, data hold, 10 mΩ impedance. Standard inclusions: protective holster, K type thermocouple probe, inductive RPM pickup, deluxe pair of safety type test leads with removable test tips - short and long, and alligator test clips. All fully insulated. Complete with 60 page instruction/training book.
Cat 111

MM-48B DURST TOUGH ECONOMICAL MULTIMETER
Auto ranging volts AC/DC, resistance with overload protection on all ranges. 34 segment analogue bar graph, 10 mΩ impedance, diode test, audible continuity, auto shut off, AC/DC current 10 amp fused, low battery indicator, input warning beeper and manual. As used by the Royal Automobile Association of South Australia. Cat 111

<table>
<thead>
<tr>
<th>DURST DIGITAL MULTIMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Durst Model MM-</strong></td>
</tr>
<tr>
<td>RPM, Pulse Width, % Duty, Dwell</td>
</tr>
<tr>
<td>DC Volts</td>
</tr>
<tr>
<td>AC Volts</td>
</tr>
<tr>
<td>DC &amp; AC Current</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td>Resistance</td>
</tr>
<tr>
<td>Capacitance</td>
</tr>
<tr>
<td>Frequency</td>
</tr>
<tr>
<td>Diode Test, Continuity</td>
</tr>
<tr>
<td>Safety: IEC1010-1, Cat III</td>
</tr>
<tr>
<td>Comprehensive Manual</td>
</tr>
<tr>
<td>Moulded Rubber Case</td>
</tr>
<tr>
<td>Suitable for Current Clamp</td>
</tr>
</tbody>
</table>

DURST MOTOR & ELECTRIC INDUSTRIES PTY LTD. 189 ST JOHNS RD, GLEBE 2037 NSW. AUSTRALIA PH: (02) 9660 1755 sales@durst.com.au www.durst.com.au
Current Clamp Meters & Adapters

**MM-1562 DIGITAL MULTIMETER**
The MM-1562 is also ideal for automotive use and comes with 10 MΩ impedance as well as other features such as capacitance, frequency, duty cycle and diode testing for more in depth diagnosis.

- Features include Auto ranging DC Volt scale to 600V, AC Volts to 600V, Dual DC and AC Amp scales to 40 Amps and 200 Amps respectively, hold function and power off. Complete with carry pouch and instructions. Complies with IEC 1010 Safety Standard CAT II.

**MM-2608 DIGITAL MULTIMETER**
Tests Current range up to 2000 amps AC/DC, 400mv -1000 volts and resistance. Features include, Data hold, overload protection, automatic polarity switching and robust amp pickup clamp. Includes frequency, diode test, capacitance, min/max, continuity, 10 mΩ impedance, -42 segment bar graph. Auto Power Off Protective case, leads and instructions. Other models available on request.

**Current Clamp Meters & Adapters**

**PROBES, CASES & LEADS**
- **TP01** Wire probe 260˚C
- **TP02** Immersion probe 800˚C
- **TP04** Surface Probe 800˚C
- **TP06** Manifold temp 1000˚C
- **MM-TL35** Durst M/meter Leads CAT III 1000V (With Probes & Large Alligator Clips)
- **MM-TL38** Durst Silicone Test leads (Fluke Appa)
- **MM-TL51** Durst M/meter Leads (With Probes & Alligator Clips)
- **MM-TL88** Durst Test lead Kit (Replaces MM-TL68 / MM-TL78)
- **MM-PA20** Pressure Adaptor model – Plugs into your multimeter
  - Pressure Range 1 to 500psi, Vacuum Range 30 inHg, Pressure Port Connection 1/2 inch NPT.
  - Full range of fuses available including bulk packs.

**Multimeter & Thermometer Accessories**

DURST CURRENT CLAMP METERS AND ADAPTERS

<table>
<thead>
<tr>
<th>Durst Model MM-</th>
<th>MM-CA40</th>
<th>MM-2608</th>
<th>MM-1562</th>
<th>MM-CA60</th>
<th>MM-CA600</th>
<th>MM-CA600A</th>
<th>MM-CA1000</th>
<th>MM-CA2000</th>
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<tr>
<td>DC Volts</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>AC Volts</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>DC &amp; AC Current</td>
<td>40</td>
<td>2000</td>
<td>100</td>
<td>60</td>
<td>600</td>
<td>600</td>
<td>1000</td>
<td>2000</td>
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<td>Min Resolution Amps</td>
<td>100ma</td>
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<td>10mA</td>
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<td>100mA</td>
<td>100mA</td>
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<tr>
<td>Max Wire Size Dia.</td>
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<td>50mm</td>
<td>28mm</td>
<td>8mm</td>
<td>32mm</td>
<td>34mm</td>
<td>60mm</td>
<td>70mm</td>
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<td>Zero Adjustment</td>
<td>Auto</td>
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<td>Y</td>
<td>Y</td>
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<td>Capacitance</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>Diode Test, Continuity</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<td><strong>EC1010-1, Cat II</strong></td>
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<td>Y</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
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<td><strong>EC1010-1, Cat III</strong></td>
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<td>Instruction Manual</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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</tbody>
</table>
Diagnostic Tools

MM-Ta300 – SmartTach D
Digital Diesel Engine Tachometer
- Universal transducer clamp attaches quickly to fuel injection lines
- 6 foot cable allows to take RPM readings away from hot or moving parts in the engine
- Adjustable threshold and sensitivity level
- For 1 to 12 cylinders and 2 or 4 cycle engines
- Measures from 200 to 20000 RPM on a 4-1/2 digits LCD display, with simultaneous maximum and minimum readings
- Advanced microcontroller technology yields 0.1 % accuracy

MM-Ta500 – SmartTach+COP MultiSystem
Ignition Analyzer
New MM-TA500 SmartTach+COP is the first tool of its kind in the industry capable of testing and diagnosing ignition systems on engines using: Coil on Plug, Coil near Plug, DIS (Distributor-less) or waste spark, magneto and conventional distributor/ignition coil technologies.
- Simple to use, the MM-TA500 requires no special adapters, cables or a scope and is equipped with a large digital display that shows spark plug voltage, spark burn time, RPM, as well as Min/Max readings in real time.
- The MM-TA500’s unique and proprietary technology allows automotive technicians to perform quick and reliable diagnostics of non-starts, misfires, defective coils, fouled up or damaged spark plugs and/or spark plug wires, by comparing digital read-outs of the spark plug voltage and burn time between cylinders.
- A must have time saving tool for every technician.

MM-ST05 - Oxygen Sensor Tester Simulator
This high-tech, user friendly Oxygen Sensor Tester/Simulator model MM-ST05 sports a simple interface to perform diagnostic tests and measurements on any Oxygen Sensor and to quickly determine whether or not an Oxygen Sensor is actually defective and in need of replacement. It is designed to be used both, as a stand alone tool or as a compliment to any scanner during the diagnostic process.
- Zirconium Sensors
- Titanium 1 volt sensors
- Titanium 5 volt Sensors
- Wide Band “dual-Cell” Sensors
- Heated or unheated Sensors (1,2,3,4 or 5 wires)
- Diagnose “Lazy” sensors which may not trigger DTC’s but cause driveability problems
- Sensors can be tested either ON or OFF vehicles.
- Does not require special time-consuming set-up or in-depth knowledge
- Real time cross count displayed on live bar graph
- Instant PASS/FAIL results displayed on large alpha-numeric display
Diagnostic Tools

SMARTACH TACHO/PEAK VOLT METER PETROL MM-TA100S
Handy pocket sized Ignition peak voltage tester that measures up to 40KV with a wireless digital Tachometer. Featuring 4.5 digit LCD screen with full range display from 200 to 19999 RPM with provision for up to 12 cylinder engines in either 2 or 4 stroke configurations. Fast response time of 0.5 seconds and accuracy of + or – 0.5%. Save time and money by diagnosing suspect misfires, coil or ignition lead problems in seconds with the engine running. Suitable for all spark ignition engines. Complete with protective carry case.

MM-TH100 Designed for Harley Davidson Motorcycles with all of the above features.

MM-FF310 SHORT/OPEN CIRCUIT FINDER AND CIRCUIT TRACER
This unit will locate short circuits, open connections, broken wires, current leaks and it even traces wires: Now the technician can do all these tasks quickly and easily spending only a fraction of the time and effort required when using conventional methods. In most cases, you will even be able to locate the problem area without having to untie harnesses, open conduits or remove panels.

Multiple applications: this professional tool will work on all kinds of circuits with voltages between 6 and 42 Volt DC, such as those found in cars, trucks, trailers, tractors, boats, 4WDs, etc. With its wide working voltage range, automatic open/short detection, flexible probe and adjustable sensitivity, the MM-FF310 Faultfinder enables you to troubleshoot a complete array of common problems in a wide variety of vehicles and applications.

Simple to use, it only requires connecting the transmitter in series with the circuit or wire under test (i.e. across fuse holder, across a connector or in series with an open wire, light bulb socket etc.), and scanning the circuit/wire with the tracer’s flexible probe to find the trouble spot.

Battery Fuel / Volt & Amp Meter

<table>
<thead>
<tr>
<th>Input Voltage VDC</th>
<th>Battery Voltage</th>
<th>LED Display</th>
<th>Battery Status</th>
<th>Number of Channels</th>
<th>Charge / Discharge Amps</th>
<th>Mounting hole</th>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 &gt; 18</td>
<td>12</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>150</td>
<td>35 x 52mm</td>
<td>VOLT&amp;AMP METER</td>
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<tr>
<td>8 &gt; 32</td>
<td>12 &amp; 24</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>80</td>
<td>35 x 52mm</td>
<td>DURST MOTOR &amp; ELECTRIC INDUSTRIES PTY LTD.</td>
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<tr>
<td>8 &gt; 32</td>
<td>12 &amp; 24</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>500</td>
<td>35 x 52mm</td>
<td>189 ST JOHNS RD, GLEBE 2037 NSW. AUSTRALIA</td>
</tr>
<tr>
<td>8 &gt; 32</td>
<td>12 &amp; 24</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>600</td>
<td>35 x 52mm</td>
<td>PH: (02) 9660 1755 <a href="mailto:sales@durst.com.au">sales@durst.com.au</a> <a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
<tr>
<td>8 &gt; 30</td>
<td>12</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>250</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
<tr>
<td>9 &gt; 90</td>
<td>12</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>400</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
<tr>
<td>9 &gt; 90</td>
<td>12 &amp; 24</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>650</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
<tr>
<td>9 &gt; 30</td>
<td>12</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>300</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
<tr>
<td>9 &gt; 30</td>
<td>12 &amp; 24</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>500</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
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<tr>
<td>9 &gt; 30</td>
<td>12</td>
<td>Y</td>
<td>Full-Empty</td>
<td>1</td>
<td>700</td>
<td>35 x 52mm</td>
<td><a href="http://www.durst.com.au">www.durst.com.au</a></td>
</tr>
</tbody>
</table>

Visit durst.com.au
Amps Volts Resistance Meters

AVR-2001
Complete automotive circuit tester housed in a steel case. Tests battery alternator/generator, regulator, starter and other vehicle electrical circuits. Reverse current scales allow measurement of discharge currents. The easy to read analogue meters have the following ranges:
Amps: 2-0-10, 10-0-50, 20-0-100, 100-0-500 (internal shunt)
Voltage: 0-10, 0-20, 0-50. Push button 1 volt range
Ohms: 0-1,000, 0-10,000, 0-100,000, 0-1,000,000, 0-10,000,000.
Internal 1.5V battery. Supplied with test leads and 500 amp cables.

COMPACT AMP/VOLT METERS
Lap top design with steel cabinet, dual easy to read meters, large carry handle, rubber buffers, complete with full set of test leads.
AVR-569 0-100 amp internal shunt, 0-50 volts, 1 volt scale and resistance 0-100,000 ohms, 0-500 amps external shunt option.

Ammeters

AVR-566 DIGITAL INDUCTIVE VOLT/AMMETER

Automotive Testers

RT-666 & RT-666D ELECTRONIC REGULATOR TESTER
Easy to read analogue or digital display. Tests 6, 12 and 24 volt solid state voltage regulators for correct operation. Instant action cut out circuit protects against damage if shorted or incorrectly connected. 240V operation. Covers a wide range of applications.

RT-661 DIODE TESTER 3 AMP
Tests diodes under simulated working conditions for short and open circuit, efficiency and leakage without unsoldering the diode from the heat sink. 240V operation – fuse protected. Meter scale 3-0-3 amps.

DT-661-10 DIODE TESTER 10 AMP
For use on large capacity alternators. High/Low switch, 240 volt operation. Meter scale 10-0-10 amps.

DT-720 For use on extra large capacity alternators. Meter scale 20-0-20 amps. 240 volt operation.

ET-2002 AUTOMOTIVE ELECTRICAL TESTER
For testing starter current draw, alternator charging current and load testing batteries from 20 to 120 amp/hour rating or up to 500 Amps or 1000 Cold Crank Amps (CCA) using inbuilt carbon pile. Voltage can be measured under open circuit and load conditions. Amps 2-0-10, 10-0-50, 20-0-100, 100-0-500 Volts 0-10, 0-20, 0-50 Push button 1 volt range.

ET-3000 IGNITION ANALYSER
Universal tester for small engines features an adjustable spark gap (0-12mm) to simulate engine load and adverse conditions. Two peak voltage scales allow you to monitor the working voltages on all types of ignition systems. Additional functions are aimed at trouble shooting the classic breaker point system: coil test, points test, condenser test, module test and resistance measurements (3 scales). Test can be performed on or off the engine. Optional extras: ET-3000FS Flywheel simulators for static solid state ignition testing. Also available ET-630 Peak Volt Meter.
Hand Tools

**MM-SM4022 SOUND LEVEL METER (TYPE 1)**
Large LCD display. Main functions are designed to meet IEC651 Type 1, condenser microphone, 3 ranges from 30 – 130dB, frequency from 31.5 to 8,000 Hz, powered by 2 x 9V batteries, hold function, fast and slow dynamic characteristics, can be Internally or Externally calibrated and requires MM-SC941 Sound Level Calibrator for external calibration as required by some Government Departments. Complete with padded carry case.

**MM-SM4012 SOUND LEVEL METER (TYPE 2)**
Large LCD display. Main functions are designed to meet IEC651 Type 2, condenser microphone, 3 ranges from 30 – 130dB, frequency from 31.5 to 8,000 Hz, powered by 9V battery. Output impedance 600 Ohms with RS 232 computer interface terminal and 3.5mm dia. phone socket. Externally calibrated and requires MM-SC941 Sound Level Calibrator. Complete with padded carry case. MM-SM4012K. Kit version of MM-SM4012 and includes RS232 interface computer cable and software for PC operation.

**SN-T25LN GAS ‘MICRO JET’**
Pocket size Micro Flame 1300°C auto piezo ignition switch. Suitable for soldering, brazing and any other high temperature application. Powered by a standard disposable cigarette lighter. Also available SN-T25 (Short Nose) and SN-T25-R (Refills).

**MM-TPT OPTICAL PHOTO/CONTACT TACHOMETER**
Photo tach -5 to 100,000 rpm. Contact tach 0.5 to 19,999 rpm. Surface speed-m/min, ft/min. Ideal for diesel mechanics etc. Complete with protective case and adaptors.

**SOLDERING IRONS 12 VOLT DC**
SI-1270 70 Watt. Specially designed for auto, marine and mobile applications. Very quick heating. 425°C operating temperature. Ideal for soldering lugs in starter wiring and brushes etc. Large, tapered copper soldering tip. Shaft diameter 6mm, head diameter 12mm. Long double insulated leads fitted with heavy duty clips for operation from a 12V battery.

**SOLDERING IRONS 240 VOLT AC**
SI-80 80 Watt. SI-100 100 Watt. SI-150 150 Watt. SI-300 300 Watt. Timber handle, stainless steel body, solid copper tip. Rugged construction. Other wattages available on request.

Armature/Rotor Equipment

**‘ROTACHUCK’, ROTOR AND ARMATURE SERVICE TOOLS**
For accurate machining of rotors and armatures. High tolerance precision built tool with roller bearings, for long term commercial applications. Easily fits into tail stock of bench lathes. Replaces old brass jaw chucks. Replacement tips and turning tools also available.

**AL-RC2** No.2 Morse Taper 3-16mm jaw opening chuck
**AL-RC2L** No.2 Morse Taper 5-20mm jaw opening chuck
**AL-RC3** No.3 Morse Taper 3-16mm jaw opening chuck
**AL-RC3L** No.3 Morse Taper 5-20mm jaw opening chuck

**AG-238 ARMATURE/COMMUTATOR CONTINUITY AND INSULATION TESTER**
240 volt mains power. 110V and 40V AC continuity test indicator lights. Tests automotive alternator and starter components for shorts to frame and circuit continuity. When used with the armature growler, the in-built AC ammeter allows coil current readings to be made when testing armatures and alternator stators.

**AG-237 LARGE CAPACITY GROWLER 2 & 4 AMPs (SWITCHACBLE)**
Dual power growler with rocker switch, for inducing increased currents in large, high output armatures. 240 volt operation. Suits armatures 50mm-180mm diameter.

**AG-237 ARMATURE GROWLER 1.5 AMP**
Universal armature growler for short circuits to frame, shorted coils and shorts between commutator segments on armatures. 240V operation. Suits armatures 50mm-130mm diameter.

**AG-236 ARMATURE GROWLER**
Suitable for power tools and wiper motor armatures. 240 volt operation. Suits armatures 19mm-75mm diameters.
Industrial Alternator/ Starter Test Benches

TBE-600STD STANDARD MODEL
Model 600 Series 3 Alternator Starter Test Bench. Features a specially designed 2.2Kw variable speed Durst motor, 5000-0-5000 RPM. Available in 240v or 415v. Fitted with large easy to read analogue gauges: 10-20-50 Volt meter, 50-100-500 Amp meter and 6000-0-6000 Tachometer, multi-groove drive pulley, quick clamping alternator brackets, starter clamp and slide feed screw for easy belt tensioning. Dimensions 79cm D x 84cm W x 130cm H. Weight 110 Kg.

TBE-600DLX DELUXE MODEL
Model 600 Series 3 Alternator Starter Test Bench: Features a specially designed 3Kw variable speed Durst motor, 5000-0-5000 RPM. Available in 240v or 415v. Fitted with large easy to read analogue gauges: 0-18Volt Regulator tester, 3-0-3 Amp Diode tester, 10-20-50 Volt meter, 50-100-500 Amp meter and 6000-0-6000 Tachometer, quick clamping alternator brackets, starter clamp and slide feed screw for easy belt tensioning. Dimensions 79cm D x 84cm W x 142cm H. Weight 120 Kg. Defence stock number NSN 4910-66-147-1101

TBE-1200-2 MEDIUM COMMERCIAL
1200 Series Alternator Starter Test Bench: Features a specially designed 4Kw variable speed Durst motor, 5000-0-5000 RPM. Fitted with large easy to read analogue gauges, 3-0-3 Amp Diode tester, 10-0-10 Field Amp meter, 0-40Volt Electronic Regulator meter for 6, 12 & 24 volt units, 10-20-50 Volt meter, 50-150-500-1500 Amp meter and 6000-0-6000 Tachometer, 500 Amp carbon pile, multi-groove drive pulley, quick clamping alternator brackets, top & side loading starter clamps, slide feed screw for easy belt tensioning. Battery isolation switch. Dimensions 90cm D x 100cm W x 160cm H. Weight 400 Kg. Power Supply 415v, 3 phase.

Test Bench Accessories

TBA-667 CARBON PILE RHEOSTAT
Designed for battery loading from 200amps to 500amps intermittently. Unit supplied with heavy duty leads and booster clamps. Steel ventilated cabinet. An ideal accessory for loading alternators on your test bench.

TBA-668 FIELD AMMETER
Hand held ammeter. Range: 10-0-10 amps. A handy accessory for your 600 series test bench.

LB-70 Mobile switchable load bank with easy to read analogue amp meter up to 70Amps at 12Volts. Ideal mobile test unit for testing 12V UPS, Solar Power systems, Durst test benches and other large battery banks. Multi switching positions to allow total flexibility from 5 Amps to 70 Amps in 5A increments. Fan cooled to give 100% duty and high reliability. Custom voltages and currents available on request. Also suitable for other applications. Refer to page 15 for more information on load banks.
TB-1900a HEAVY DUTY INDUSTRIAL ALTERNATOR TEST BENCH FOR AVIATION, MINING & DEFENCE APPLICATIONS

Designed to test the wide spectrum of units including the high output alternators found on heavy commercial vehicles. Features Extra Heavy Duty frame and specially designed full torque, variable speed electronic drive from 7.5Kw upwards. Fitted with easy to read 3.5 digit digital meters: 0-200 Volts, 0-500 Amps DC, Forward & Reverse, 0-20,000 RPM and 0-10,000 RPM Tachometer with simple setting pulley ratio switches. The automatic calculation circuit gives accurate alternator speed. Field Amp 0-20 Amps, AC Ripple Volt meter designed for testing Star Points & super imposing AC voltage in alternator under test situation. 8.4Kw fully switchable load bank. Battery Voltage Selector switches 6-36 volts with provision for higher voltages if required. Multi-groove drive pulleys, quick acting slide feed screw for easy belt tensioning and quick clamping multi-position starter bracket fitted to robust compound slide. Dimensions 95cm D x 100cm W x 170cm H. Weight 550 Kg. Power Supply 415v, 3 phase.

TB-1900A HEAVY DUTY INDUSTRIAL STARTER TEST BENCH FOR HEAVY VEHICLE, AVIATION, MINING & DEFENCE APPLICATIONS

Features a specially designed full starter torque and free run system. Fitted with easy to read 3.5 digit digital meters: 0-200 Volts, 0-2000 Amps DC, Forward & Reverse, 0-20,000 RPM and 0-10,000 RPM Tachometer with simple setting pulley ratio switches. The automatic calculation circuit gives accurate starter motor speed. Torque range 0--> +/-200Nm or 0--> +/- 271 Ft Lbs. Battery Voltage Selector switches 6-36 volts with provision for higher voltages if required. Slide feed screw for easy meshing of pinion gears and quick clamping multi-position starter bracket fitted to robust compound slide. The advanced design of the mounting slide table allows custom mounting brackets to be manufactured to suit special applications including Military & Aviation. Fully safety guarded that requires two hands to operate. Dimensions 95cm D x 100cm W x 170cm H. Weight 400 Kg. Power Supply 240v, 1 phase.

AIR CONDITIONING TEST BENCHES

Bench test your air conditioning compressors to ensure proper operation before fitment to the vehicle. Features include our specially designed full torque variable speed electronic drive motor with 5000-0-5000 Digital Tachometer, drive belt safety guard and a one piece multigroove pulley that enables the compound slide to easily and accurately tension the drive belt via the feed screw. Quick clamping compressor brackets and an angle plate suit a comprehensive range of side mount compressors with 12 and 24 Volt DC power to operate the clutch.
There’s a reason why it’s called a DURST SmartWasher

The Amazing Ozzy, Microbe Superhero

Clean Parts: The Environmentally Friendly Way
Our intrepid super hero comes from the distant past, millions of years ago. Ozzy grew up in the La Brea tar pits, where thousands of dinosaurs collected, decayed, and were transformed into gooey crude oil. Ozzy and his ancestors grew up feasting on all this delicious raw oil.

Ozzy To The Rescue
On March 24, 1987 disaster struck when the supertanker Exxon Valdez ran aground in Prince William Sound spilling over 10 million gallons of oil. It was Ozzy’s chance to show what he could do...naturally.

How Ozzy Works
In simple terms, Ozzy eats oil and grease, which are also called hydrocarbons. When Ozzy has finished with them, the toxic, polluting hydrocarbons have been transformed into safe, everyday substances...water and carbon dioxide. That’s why you don’t need an expensive hauling contract, just a Durst SmartWasher.

Ozzy Is Safe
Some microbes, like Ozzy, are non-toxic and completely safe. Other friendly microbes are used in the fermentation of beer, and are found in the active cultures that make yogurt healthy and sourdough bread tasty.

Ozzy+Surfactant = Clean
“Surfactant” is just a fancy word for a cleaner that breaks the surface tension between a part and the oil and grime so that the dirt and oil float away. ChemFree blends a heavy-duty (but non-toxic) industrial cleaner with Ozzy. The surfactant (cleaner) actually lifts the grease and oil off the part, then Ozzy eats the oil and grease. In other words, the surfactant cleans the part, then Ozzy cleans the surfactant.

The only proven bioremediating system...
SmartWasher with OzzyJuice, the Intelligent Solution

Clean Parts
The SmartWasher uses a powerful cleaning agent to clean the toughest grease and grime quickly and easily. Head-to-Head competition has proven that the SmartWasher can clean as well and as quickly as solvents...without the dangers of solvents or the expense and hassle of hauling! That’s why 95,000 users worldwide, including the military services, major car companies and work shops just like yours are using the SmartWasher for all their parts cleaning.

No Hassles
Because you won’t have any dangerous solvents or grey water to dispose of, you won’t have any EPA or OHS&S paper work to deal with. You’ll also be able to avoid never ending environmental and health claim liabilities since Ozzy turns grease and grime into just water and carbon dioxide.

There Are Some Things Ozzy Just Doesn’t Have...
And You Don’t Want
× No Hauling Contracts and Cost for used solvents or grey water
× No Manifests to fill out and file
× No Liabilities from employees’ exposure to solvents
× No VOC’S (Volatile Organic Chemicals)
× No Special OHS&S hazardous chemical training and logs (or fines)
× No Flash Point

There Are Some Really Nice Things Durst SmartWasher has as standard...
✓ Warm water based Ozzyjuice solution
✓ Non Addictive
✓ Safe for use on all rubber components and seals
✓ Non Toxic
✓ Leaves NO greasy film
✓ Doesn’t cause Dermatitis

WHY RENT WHEN YOU CAN BUY

DSW-123M

DSW-125 Standard Sink
Custom built models with up to 1 micron filtration available. Ideal for clean room applications.
Don’t throw it, send it to us.
Durst Full Repair &
Calibration Service.
We Can Fix It!

If you have a faulty Jump Starter, Battery Load Tester, Battery Charger, Test Bench etc that you think has seen better days, we can repair it and make it like new again! All brands of equipment repaired.
Send it in for an obligation free quotation.
You’ll be surprised at the money you’ll save.