



# Durst BCD-1250 UPS/Automotive Battery Charger

12 Volts 50 Amps Fully Automatic  
Switchmode Set & Forget Charger

**Ideal for automatic battery charging with full output while Servicing Vehicles  
Diagnostic Testing, Tuning, Maintenance & ECU Programming etc**

*It is important to use a Durst approved battery charger, to ensure the vehicle is protected from  
potentially expensive damage to the battery and electrical system.*



| SmartCharger Model        |        | BCD-1250    |
|---------------------------|--------|-------------|
| Input Voltage VAC         |        | 200-260     |
| Nominal Battery Voltages  |        | 12          |
| Boost Voltage             |        | 14.4        |
| Float voltage             |        | 13.8        |
| Charge Current Amps       |        | 50          |
| Overload Protected        |        | y           |
| Reverse Polarity. Protect |        | y           |
| Weight in Grams           |        | 7950        |
| Case Size mm              | Width  | 245         |
|                           | Length | 315         |
|                           | Height | 200         |
| Battery Capacity Range    |        | 125 - 500Ah |

## Durst BCD-1250 SmartCharger

**Set & Forget Charger & Power Supply**  
The Durst 3 stage chargers put out their rated output from the start of the charge cycle and maintain that output until the battery is charged to about 80-90%. Then the charger will taper the charge until the battery is charged or power is drawn from the battery.



**Durst Now Offer the Fully Automatic**

**Set & Forget BCD-1250 SmartCharger Solution for all Automotive, Marine, Aeronautical, Solar, Deep Cycle, UPS Standby, Industrial & Commercial ECU Computer Applications.**

- Simply connect the battery to the DURST SmartCharger and let it auto-run the test program.
- The user-friendly LED display lets you clearly understand the status of the battery mode.
- Maximise battery life and increase supply power required during the Up and Downloading to the Onboard Central Processor Unit (ECU Computer)

Available in a comprehensive range of single & multi outputs for dual and split battery applications.  
For 12, 24, 36, 48 Volts supplies, from 4 to 100 Amps & are recommended for Battery supplies of 18-800 AH

**Designed to suit a comprehensive range of Today's  
Onboard Computer Voltage & Current requirements.**



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BCD-1250 V08.1.doc

# **Durst SmartCharger BCD-1250** Set & Forget

## **Solving voltage drop and battery failures**

## **While re-programming & tuning vehicles**

## **Preventing the loss of valuable ECU Data Saves Time & Money**

The Durst SmartCharger maintains FULL BATTERY VOLTAGE when technicians are working on the vehicle so there are no miss readings from scanners, readers and associated diagnostic equipment & the main processor.

The DURST SmartCharger was developed for the Automotive market after we discovered workshops were losing valuable time & money during Up and Downloading data to the ECU and general Diagnostic Testing.

With some data transfer taking up to 7 hours to load, any failure during this process was catastrophic. Cheap battery chargers and basic power supplies are unsuitable for this dedicated application and the ever increasing, range of more expensive, new modern technology batteries that are connected with the ECU and main processor unit. Sensitive electronics in the ECU are easily destroyed by incorrect voltage & current of voltage spike and older technology.

**Correct AC switching and programmable voltage control of the DURST BCD-1250 Set & Forget SmartCharger has now become an Industry Standard as supplied to Ford, GMH, BMW, Mercedes, Range Rover, Porsche, Audi and Toyota etc. throughout Australia & NZ etc.**

### **DURST SmartCharger 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%) and Cheaper to run
- 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
- Isolated Output Terminal Block
- Heavy Duty Leads & Battery Clamps
- Comfortable Lifting handle, Rubber buffers & cable winders
- Three Stage Power Indicator LEDS
- AC Switching, Switch mode Design
- NASA Developed Technology
- Set & Forget automatic voltage sensing controls current
- Eliminates Sulphation, Voltage Drop and battery destruction
- User Friendly Compact & Light Weight
- Suitable Also a Bench Power Supply for workshop test & servicing ECU units
- Suitable for back up battery supply for Showrooms & Motor Trade Shows
- Australian Electrical Standard & EMC Compliant

**Choose a Durst SmartCharger to suit all types of batteries: Gel-AGM (Maintenance Free) & Flooded (Wet) Lead Calcium-Lead Acid-VRLA Deep Cycle etc**



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