





TM

Durst Automatic Battery Chargers

BCS-A series Set & Forget

6, 12 & 24 Volt. 3 to 30 Amps

 **N19332** 

Features:

1. Compact size & light weight.
2. The high efficiency of Durst BCS-A Battery Chargers reduces power consumption (Cheaper to run) & provides 25% more power saving than other ordinary Battery Chargers.
3. Short-circuit Protection: Charger Output (O/P) cuts-off automatically when a short circuit occurs.
4. Overload Protection: Charger O/P current-limited automatically when overloaded.
5. Reverse Polarity Protection: Charger O/P cuts-off automatically when battery is Reverse connected.
6. Automatic set & forget multi-rate charging function: On – Boost Charge, Equalizer Charge (Charges Quickly when the battery is low) and Floating Charge (Charges slowly when the battery is high)
7. Unique LCD & LED (or LED Indicator Only) Display: Indicates both charger status and battery Level. Three LED Display: Red (power on), Yellow (equalizer charge) & Green (floating chargers)
8. Advanced SMD Technology offers reliable and robust surface mount circuitry for longevity.
9. Anodized Red Aluminium Housing: Elegant, strong and efficiently disperses heat.
10. Temperature compensation cooling fan is speed controlled to suit charging state.
11. Mounting feet to secure charger, vertically or horizontally.
12. Selecting the correct Durst Battery Charger will prolong battery life.

Operating your new charger:

Mount the charger securely & connect to a standard GPO AC supply.

Connect the alligator clips to correct battery terminal polarity (Red clip to the Positive Terminal and the Black clip to the Negative Terminal)

Turn on the power switch, which is located on the front panel of Charger & the Red LED will light & charging commences. The Bi-Coloured LED confirms the other stages Yellow (equalizer charge) & Green (floating charge) stages. Models fitted with the unique LCD display will confirm the charger stage and battery level (refer to Metering, LED/LCD specifications chart)



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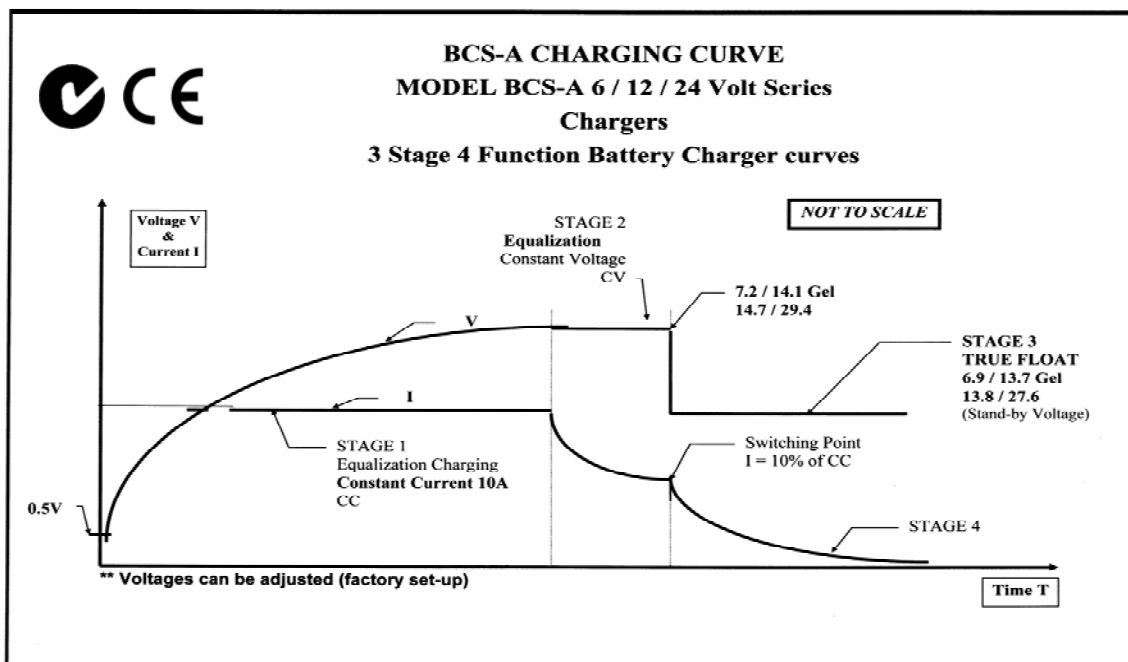
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Notices:

1. Durst Fully Automatic Set & Forget Chargers were designed to be left on permanently and are suitable for Charging: Lead-Acid, Calcium, Gel, Gel-Tech, AGM, Spiral wound and NiMH batteries.
2. Chargers cannot be used as a DC power supply unless connected to a suitable battery.
3. Wear protective goggles and clothing while handling and charging batteries.
4. Avoid charging damaged or incorrect types of batteries.
5. The battery may be damaged if the LED does not change to green after charging for a long time. (Monitor charger & test batteries correctly before charging)
6. Always place the charger in well ventilated and dry environment.
7. The charger was designed with the aluminium housing as a heat sink. For your own safety, avoid touching the case as the temperature maybe hot when charging at maximum current.
8. A comprehensive range of Durst Battery Chargers & Testers are available upon request.

LED Indication:					
AC Power Status LED (Red Colour)		Charging Status LED (Bi-Coloured)			
On	Off	Yellow	Green		
AC Power OK	AC Power Fail	Equalizer Charge	Floating Charge		
LCD Indication (Standard except BCS-A0610, A1203, A1206 & A2404)					
Charging Status Display		Battery Level Display % Charge & Voltage 12V / 24V			
Float + Charging	Equalize + Charging	100%	75%	50%	25%
Floating Charge	Equalizer Charge	6.95 / 13.9 / 27.8	6.65 / 13.3 / 26.6	6.3 / 12.6 25.2	5.95 / 11.9 23.8







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BCS-A MODELS		BCS-A0610	BCS-A0618	BCS-A1203	BCS-A1204 Gel Tech	BCS-A1206 BCS-A2404
Meter		LED	LED / LCD	LED Indicators		
Input	Voltage AC	AC 100 ~ 240 Volts				
	Frequency	47-63HZ				
Output	Boost Volts	7.2	7.2	14.4	14.1	14.7 / 28.8
	Float Volts	6.9	6.9	13.7	13.7	13.7 / 27.4
Current 6 V		10	18			
Current 12 V				3	4	6
Current 24 V						4
Wattage at 6 / 12V		88 W	137 W	44 W	58 W	88 W
Wattage at 24V						117 W
Efficiency		> 87% (At Full Load) reduces power consumption				
Protection	Reverse	Yes	Yes	Yes	Yes	Yes
	Short-circuit	Yes	Yes	Yes	Yes	Yes
	Overload	Yes	Yes	Yes	Yes	Yes
Cooling Fan		Speed Control set by Charging Stage Automatically				
Mechanical	Dimensions(mm)	155x70x48	167x103x50	155x70x48		
	Weight	0.5 Kgs.	0.9 Kgs.	0.5 Kgs.		

BCS-A MODELS		BCS-A1210	BCS-A1216	BCS-A1220	BCS-A1225	BCS-A1230
		BCS-A2407		BCS-A2412	BCS-A2414	BCS-A2417
Dual Channel					BCS-A1225	BCS-A1230
Meter		LCD & LED Indication				
Input	Voltage AC	AC 100 ~ 240	AC 200 ~ 240 Vac			
	Frequency	47-63HZ				
Output	Boost Volts	14.7 / 28.8	14.7	14.7 / 29.4		
	Float Volts	13.7 / 27.4				
Current 12V		10	16	20	25 Dual	30 Dual
Current 24V		7		12	14	17
Wattage at 12V		147 W	235 W	294 W	367 W	441 W
Wattage at 24V		206 W		353 W	440 W	500 W
Efficiency		> 87% (At Full Load) reduces power consumption				
Protection	Reverse	Yes	Yes	Yes	Yes	Yes
	Short-circuit	Yes	Yes	Yes	Yes	Yes
	Overload	Yes	Yes	Yes	Yes	Yes
Cooling Fan		Speed Control set by Charging Stage Automatically				
Mechanical	Dimensions(mm)	167x103x50	190x118x58		225x70x152	225x70x152
	Weight	0.9 Kgs.	1.2 Kgs.		2.1 Kgs.	2.3 Kgs.

Customised Voltages & Currents can be Factory set to your Requirement

Contact Durst for DC Power & Solar Products

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Options

- Range of DC plugs & Sockets suitable from 3 Amps to 350 Amps
- Comprehensive range of Batteries
- Lead sets made to order
- Battery Clamps
- Battery Fuel Meter



N19332 Certified to Australian & International Standards

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