



Durst BCS-A Series Smart Battery Chargers

Advanced 3 Stage Charging IUOU For Gel, Lead Acid, Maintenance Free, VRLA, AGM, Calcium & Flooded Lead Calcium Batteries.

Models

6 Volts : 10 & 18 Amp models

12 Volts : 3, 4, 6, 10, 16, 20, 25 & 30 Amp models

24 Volts : 4, 7 & 12 Amp models

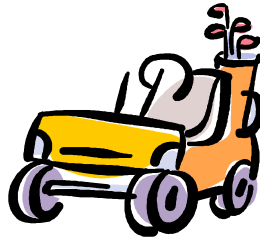
Durst Now Offer the Fully Automatic Smart Charging Solution for all *Automotive, Marine, Mobile Home, Electric Scooters, Golf Carts, Solar, Deep Cycle, UPS Standby, Industrial & Commercial Applications.*

Simply connect the battery to the SMART Charger and let it auto-run the charging program. The user-friendly LED display lets you clearly understand the status of the charging mode. Using the correct charger will give you optimum performance and maximum battery life.

Ask about our comprehensive range of single & multi outputs chargers in 12 & 24 Volts, to suit batteries 16 to 200 Amp Hour capacity.

SMART Charger Features:

- Fully Automatic Fast & Safe
- High Efficiency & cheaper to run
- Input Voltage 240 Volts AC 50 Hz
- Overcharging Protection
- Short Circuit Protection
- Spike & Surge Suppression
- Three Stage Charging Indicator LEDS
- LCD Display / Meter
- NASA Switch mode Design
- Eliminates Sulphation
- User Friendly
- Compact & Light Weight
- Optional mounting feet
- Australian Electrical Standard & EMC Compliant



Durst SMART Chargers Solve Battery Problems

One charger to suit all types of batteries: Gel-AGM (Maintenance Free) & Flooded (Wet) Lead Calcium-Lead Acid-VRLA Deep cycle etc

How our Fully Automatic BCS-A Series Charger works:

SMART Charger provides a fast, safe and accurate charge with a three stage charge sequence:

1st stage - Bulk: The battery is charged at full rated output current of the charger until the battery reaches the absorption voltage. In this stage 60%-70% of the battery's capacity is replaced.

2nd stage - Absorption: The charging current falls steadily and the battery voltage stays at the absorption Voltage level while the remaining 30%-40% of capacity is replaced.

3rd stage - Float: When the battery is fully charged. The charger voltage is decreased and is held constantly at the set float voltage. This float charging voltage will not damage the battery but replenishes any loss of internal Battery discharge.

Multi Channel Outputs available on our other BCS ranges.

Specifications subject to changes due to R&D technical progress and availability.



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BCS-A Specs V1207.doc



Durst BCS-A Series Smart Battery Chargers

Technical Specifications of the DURST BCS-A series IU0U Automatic Chargers

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	7.7	7.7	14.4	14.1	14.7 / 28.8
	Float Volts	6.9	6.9	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	147 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				
Mechanical	Dimensions(mm)	155x70x48	167x103x50	155x70x48		
	Weight	0.9 Kgs.	0.9 Kgs.	0.5 Kgs.		

BCS-A MODELS		BCS-A1210 BCS-A2407	BCS-A1216	BCS-A1220 BCS-A2412	BCS-A1225 BCS-A2414	BCS-A1230 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				
Mechanical	Dimensions(mm)	167x103x50	190x118x58		225x70x152	225x70x152
	Weight	0.9 Kgs.	1.2 Kgs.		2.1 Kgs.	2.3 Kgs.

