



# Durst BCS-A Series Battery Chargers



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

## Models

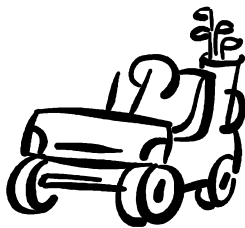
12 Volts : 3,6,10,16,20,25 & 30 Amp models available

24 Volts : 4 , 7 & 12 Amp models available

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 SMARTCharger 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



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

## Durst SMARTChargers Solve Battery Problems



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BCS-A Pink Specs V712.1A.doc



# Durst BCS-A Series Battery Chargers



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:

**SMARTCharger 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.

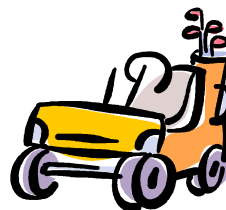
**2nd stage - Absorption:** The charging current falls steadily and the battery voltage stays at the absorption Voltage level while the remaining 30%-40% of capacity is replaced.

**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.

## Technical Specifications of the DURST BCS-A series IUOU Automatic Chargers

BCS-A MODELS		BCS-A1203	BCS-A1204	BCS-A1206	BCS-A1210	BCS-A1216	BCS-A1220	BCS-A1225	BCS-A1230
			Gel	BCS-A2404	BCS-A2407		BCS-A2412	BCS-A2414	BCS-A2417
	Meter	LED Indicators			LCD & LED Indication				
Input	Voltage AC	AC 100 ~ 240 Volts			AC 200 ~ 240 Volts				
	Frequency	47-63HZ							
Output	Equalizing Volts	14.4	14.1	14.4 / 14.7	14.4 / 14.7v +1-0.2V / 24V: 28.8 / 29.4V +1-0.3V				
	Float Voltage	13.7	13.7	13.7	13.7V +/- 0.2V / 24V: 27.4V +1- 0.2V				
	Current at 12V	3A+/- 0.3	4A+/- 0.3	6A+/- 0.3	10A+/- 0.5	16A+/- 1	20A +1.1	25A+/. 1	30A+/-1.5
	Current at 24V			4A+/- 0.2	7A+/- 0.4		12A+/-0.6	14A+/-0.7	17A+1.0.8
	Wattage at 12V	44 W	58 W	88 W	147 W	235 W	294 W	367 W	441 W
	Wattage at 24V			117 W	206 W		353 W	440 W	500 W
	Efficiency	> 87% ( At Full Load ) reduces power consumption							
Protection	Reverse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Short-circuit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Overload	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Cooling Fan	Speed Control set by Charging Stage							
Mechanical	Dimensions(mm)	155x70x48			167x103x50	190x118x58	225x70x152	225x70x152	
	Weight	0.5 Kgs.			0.9 Kgs.	1.2 Kgs.	2.1 Kgs.	2.3 Kgs.	



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