



Durst BCS-SMARTChargers

Advanced 3 Stage Charging

Bulk (I), Absorption (UO), Float & (U)

For Gel, Lead Acid, Maintenance Free, VRLA, AGM, Calcium & Flooded Lead Calcium Batteries.

15-45 Amps DC 12 Volts

15-25 Amps DC 24 Volts

Durst Now Offer the Fully Automatic Set & Forget SMARTCharging 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. You can program the charging voltages & timer limit of the UO charging phase to suit battery types to get optimum performance for maximum battery life.

Ask about our comprehensive range of single & multi outputs chargers in 12 & 24 Volts, to suit batteries 70 to 500 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
- Isolated Output Terminals
- Programmable UO voltage to suit battery type
- Switchable 4H or 8H UO charging phase
- Three Stage Charging Indicator LEDs
- Mute button for quieter operation
- Optional temperature sensor (BCS-T20)
- Optional remote control panel (BCS-R10)
- Switch mode Design
- NASA Developed Technology
- Eliminates Sulphation
- User Friendly
- Compact & Light Weight
- Australian Electrical Standard & EMC Compliant
- Suitable Also a Power Supply



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



DURST MOTOR & ELECTRIC INDUSTRIES P/L 189-189B ST JOHNS RD, GLEBE NSW 2037

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BCS Specs V1207.doc

Durst SMARTChargers 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 SMARTCharger 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. The equalize float voltage selector switch allows you to choose the best voltage to obtain maximum battery capacity.

Multi Channel Outputs on some models

The charger will select the correct current for each bank of batteries connected and automatically adjust to the battery voltages sensed.

Technical Specifications of the DURST BCS 3 stage IUOU Automatic Chargers

Durst Model BCS	Durst Switch Mode Chargers 12 & 24 Volts Calcium Gel AGM MF Flooded Batteries						
	1215B	1225B	1225C	1245B	1245C	2415B	2425B
Output Current Max	15	25	25	45	45	15	25
Charging Voltage Bulk	13.8 - 14.4 - 14.8 VDC to suit GEL AGM Flooded Calcium					27.6-28.8-29.6	
Float Charge	13.2 - 13.8 - 14.2 VDC to suit GEL AGM Flooded Calcium					26.4-27.6-28.4	
Input Voltage	170 ~ 270 VAC 50 -60 Hz						
Line / Load Regulation	0.1 % @ input voltage range / 1.5 % @ output current: No Load to full Load. Over 85% Efficiency						
Over charging protection	Yes with current limiting						
Battery Connection	Heavy Terminal Blocks						
Number of Channels	1 + 1 Aux	2	2 + 1 Aux	2	3	2	2
Charge Current Main	15	25	25	45	45	15	25
Charge Current Aux	1		1				
Overload Protected	y	y	y	y	y	y	y
Reverse Pol. Protect	y	y	y	y	y	y	y
Battery size Ahr.	50Ah - 300Ah	60Ah - 500Ah	60Ah - 500Ah	120Ah - 800Ah	120Ah - 800Ah	50Ah - 300Ah	60Ah - 500Ah
Weight in Kgs.	0.5	2.9	2.9	3.4	3.4	2.9	3.4
Size L x W x H (cm)	6 x 11 x 6	29 x 24 x 8	29 x 24 x 8	32 x 25 x 11	32 x 25 x 11	29 x 24 x 8	32 x 25 x 11



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