



Specifications

BC Supreme 12 V – 20 A

06-03-2023

ARTICLE NUMBER

61112302

BC Supreme 12 V - 20 A

TECHNICAL SPECIFICATIONS

Weight	2.4 Kg , 5.3 lb.
Dimensions	295 x 206 x 86 mm (11.6 x 8.1 x 3.4 inches)
Output Current (Maximum)	20 A
Output Voltage Charge	14.2 - 15.5 V
Output Voltage Float	13.4 - 13.8 V
Output Voltage Equalize	16.0 V
Charging Control	3-step (Bulk / Absorption / Float)
DC Output Bank	3
Selectable Battery Type	GEL, AGM, WET, Lithium
Parasitic Current	< 2 mA

CHARGER INPUT

AC Input Voltage (Nominal)	100, 120, 220, 230, 240 VAC
AC Input Operating Range	90 - 265 VAC
AC Input Frequency Range	47 - 63 Hz
Power Consumption (Full Load)	350 W
Power Factor Correction	Yes
Charger Efficiency	> 82%

PROTECTION AND FEATURES

Reverse Battery	Yes, unit shutdown
Over Charge	Yes, unit shutdown
Over Heating	Yes, unit de-rated and shutdown
Output Short Circuit	Yes, unit shutdown
Cooling	Force air ventilation
Temperature Setting	Hot, Normal, Cold (no sensor connected)
Battery Temperature Sensor	Yes, included with 1.5 mtr cable
Battery Temperature Sensor Port	RJ12 (battery temp. sensor use)
Digital Display Port	RJ12 (optional display panel use)

DISPLAY

LCD Display (with back lighting)	Charging status, Battery Voltage
Warning and Fault Code	A01-02, E01-09

AC INPUT AND DC OUTPUT CONNECTION

AC Input Connection

Hardwire or AC Cord

DC Output Connection

Heavy Duty Studs (3 banks)

DC Output Ground

Single Heavy Duty Common Ground Stud

ENVIRONMENTAL AND OPERATING TEMPERATURE

Storage Range

-40° to 70°C

Operating Range

-20° to 60°C

Humidity

5-95%, RH non-condensing

Ingress Protection

IP32