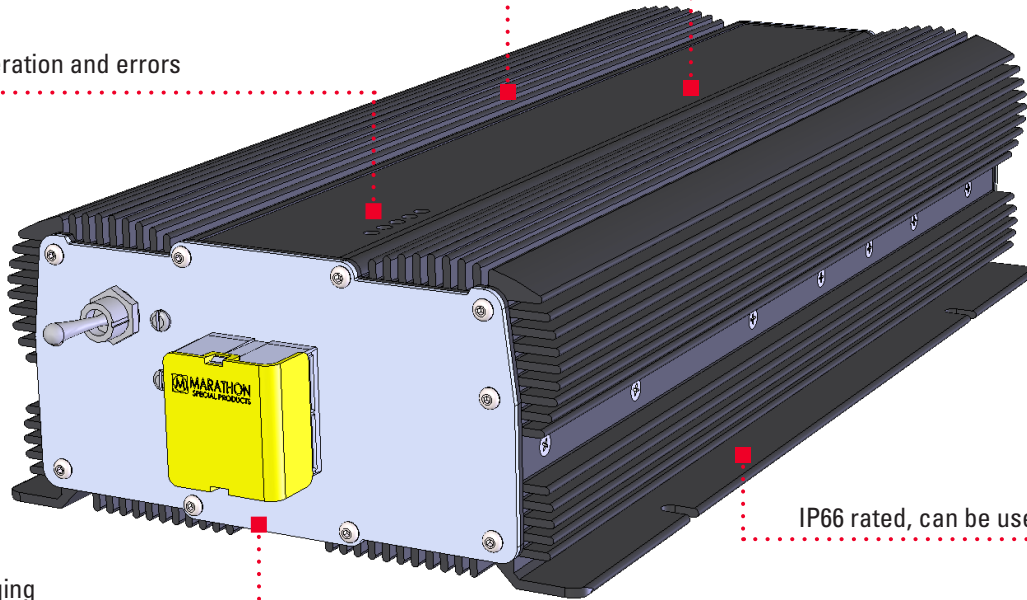




Military-grade extrusion ensures a high tolerance for shock and vibration

Visual indicators for operation and errors

Can function as a voltage converter



IP66 rated, can be used in wet location

Fast and accurate charging



3 YEAR WARRANTY

BCD805W-12-24
DC SOURCE SEALED BATTERY CHARGER

The BCD805W-12-24 battery charger provides up to 30 Amps of current to a one bank battery system at 24 volts nominal from a 12 VDC source.

The BCD805W is housed in a rugged IP66 rated water resistant extruded aluminum housing. It is tested to MIL461E for both radiated and conducted emissions and to MIL810F for shock and vibration.

Visual indicators show when the unit is powered, when it is charging as well as indicators for Input Undervoltage, Output Undervoltage and Internal Overtemperature. Available options include a carrying handle and various Mil-Spec Connectors.

Available models

Input

10.5-18

Output

24V

Applications



BCD805W | DC SOURCE SEALED BATTERY CHARGER

INPUT

Nominal (ip)	12 VDC
Actual (Vac)	10.5 - 16 VDC
Input Amps	90 Maximum at 10.5 VDC In
Input Breaker	None, External Fuse recommended
Noise on Input	< 50 mV

OUTPUT

Output Nominal (op)	24 VDC
Output Volts (Float)	27.2 ± 0.05 VDC
Charging Amps	30
Battery Banks	1
Recommended Battery Capacity (Amp Hrs.)	100 - 300
Output Overvoltage Protection Crowbar	34.0 ± 1.0V
Efficiency	> 90% @ Maximum Output
Stages	2

MECHANICAL

Dimensions	16.3 in / 41.4 cm Long x 8.4 in / 21.3 cm Wide x 3.9 in / 9.9 cm High
Clearance	1.0 in / 2.5cm all around
Weight	16.0 lb / 7.3 kg
Packaging	Watertight - Fully sealed to IPS66 (IP67 Optional)
Material and Finish	Marine Grade Black Anodized Aluminum with 18-8 Stainless Fasteners
Connections	DC In and Out – Marathon ST722B2502UH, 175 Amp, 300V Rating c/w Protective Snap On Cover
Shock and Vibration	Designed to meet MIL810G

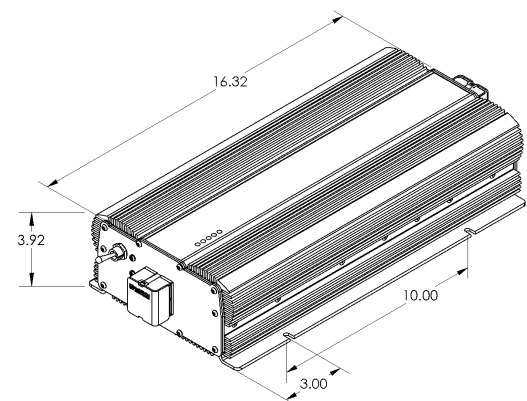
ENVIRONMENTAL AND SAFETY

Operating Temperature Range	-25°C to +40°C @ maximum output. Derate Linearly 2.5% per °C from +40C
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating
Emissions	Designed to meet MIL461F
Isolation	Input-Case & Output-Case 1500VDC, Input/Output Common Negative
Audible Noise	Ødb @ 3 ft (40 dB when fans operating)
Typical Service Life	> 10 years (87,600 hrs)
Duty Cycle	Continuous
Warranty	Three years parts and labor

OPTIONS

COTS - MIL461F and MIL810G in-house
MIL461F Stand alone testing and report
MIL810G Stand alone testing and report
European ROHS compliant
(Lead Free Manufactured)

DIMENSIONS



ANALYTIC SYSTEMS
Power Conversion Solutions



AnalyticSystems.com



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