Product Data Sheet

BB-30M
BATTERY BACKUP MODULE
13.8 & 27.6 VDC

Key Features

- Automatically switches to the battery source upon power supply failure
- Built-in battery charger for standard 12 and 24V batteries (13.8 and 27.6 Vdc)
- Battery and power supply sources may combine during peak power events
- Built-in fuse protection on battery charging and discharging
- Front Panel 3 WAY LED indicator Indicates Battery Charged, is Charging, and Battery back-up
- Industrial design and metal construction quality
- RoHS (lead free) compliant

Applications

Mission critical power solution
This unit is ideally suited for Battery Backup and Peak Power load-sharing that require high system reliability in industrial and mission critical applications. The battery charger is built-in and continuously charges the external battery. The LED (green) indicates when the battery is charging.

Backup Redundancy
The DC Power Supply source delivers full power to the output load at the same time the external battery is being continuously charged to full power. In the event the power supply source fails, the unit automatically and immediately switches to the battery source assuring no loss of power to the load.

Easy installation, safety and reliability
These units integrate passively and seamlessly with standard 13.8 and 27.6 Vdc power supplies and standard 12 volt and 24 volt sealed lead-acid batteries. The unit's packaging is a rugged metal case with heavy duty connections. The input and output screw-type terminals are easily accessible which ensures a safe and reliable installation.

Electrical

POWER SUPPLY INPUT VOLTAGE:	13.8 VDC or 27.6 VDC, ± 0.7%
OUTPUT VOLTAGE: (based upon the larger of the power supply input or the battery input minus a diode drop of 0.4 Vdc.)	13.4 VDC max at 13.8 Vdc operation 27.2 VDC max at 27.6 Vdc operation
OUTPUT CURRENT	30 A max continuous
CHARGING CURRENT	3.6 A
TEMPERATURE	Operating: -25 to +50ºC, Storage: -40 to +85ºC Overtemperature setting at 60ºC max
REQUIREMENTS for BATTERY and INPUT POWER SUPPLY: The battery charging current is limited and is specifically designed for a sealed lead-acid battery. The Power Supply should accommodate the sum of the max output load current plus the battery charge current.	

Mechanical

DIMENSIONS	
W x D x H	*3.8in x4.5in x1.93 in*

Weight	*1.5 lbs*

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