



Battery Backup Modules BBM Series

Model
BBM-12100
100 Amps

Design Features

- Converts External Power Supply (12 or 24VDC output) to provide battery charging and un-interrupted backup DC power
- Instantaneous transfer of DC load from External Power Supply to External Backup Battery and vice versa
- Suitable for 12V or 24V Lead Acid Battery Systems

2 YEAR WARRANTY

MODEL NO.		BBM-12100			
INPUT	INPUT VOLTAGE FROM EXTERNAL POWER SUPPLY	14VDC for 12V Battery / 27.6VDC for 24V Battery			
	INPUT CURRENT FROM EXTERNAL POWER SUPPLY	Up to maximum of 100A			
OUTPUT	OUTPUT VOLTAGE External Power Supply is ON and is supplying power to the Load and charging the Back Up Battery.	Load Terminals: Up to 0.4V less than Input Voltage	Battery Terminals Fully Charged: Up to 0.4V less than Input Voltage	Battery Terminals Not Fully Charged: Voltage equivalent to State of Charge	
	OUTPUT VOLTAGE External Power Supply is OFF. Backup Battery is supplying the Load and is getting discharged.	Load Terminals: Up to 0.4V less than voltage on Battery Terminals	Battery Terminals: Voltage equivalent to State of Charge	Battery Terminals: Voltage equivalent to State of Charge	
	OUTPUT CURRENT External Power supply is ON and is supplying power to the Load and charging the Battery.	Load Terminals: - Max limit = 100A - = Rated Amps of External Power Supply minus Battery Charging Current	Battery Terminals Fully Charged: Up to 0.1% of Ah capacity of Battery	Battery Terminals Discharged Battery: - 12V Battery up to 5A (at 11.4V) - 24V Battery up to 10A (at 22.8V)	
	OUTPUT CURRENT External Power Supply is OFF and External Battery is supplying power to the Load.	Load Terminals: Maximum limit = 100A	Load Terminals: Maximum limit = 100A	Load Terminals: Maximum limit = 100A	
OTHER	EXTERNAL BACK UP BATTERY	Lead Acid: 12V/24V, 40Ah to 100Ah			
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0°C to 40°C / 32°F to 104°F			
DIMENSIONS	(W x D x H), MM	150.8 x 187 x 65			
	(W x D x H), INCHES	5.9 x 7.4 x 2.6			
WEIGHT	KG	1.0			
	LBS	2.2			