



Battery Backup Modules BBM Series

Model
BBM-1225
25 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 LIMITED WARRANTY

MODEL NO.		BBM-1225		
INPUT	INPUT VOLTAGE FROM EXTERNAL POWER SUPPLY	14 VDC for 12V Battery / 27.6 VDC for 24V Battery		
	INPUT CURRENT FROM EXTERNAL POWER SUPPLY	Up to maximum of 25A		
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 0.5V less than Input Voltage	Battery Terminals (Battery fully charged): Up to 0.5V less than Input Voltage	Battery Terminals (Battery not fully charged): Voltage equivalent to State of Charge of the battery
	OUTPUT VOLTAGE External Power Supply is OFF. Backup Battery is supplying the Load and is getting discharged.	Load Terminals: Up to 0.5V less than voltage on Battery Terminals	Battery Terminals: Voltage equivalent to State of Charge of the battery	
	OUTPUT CURRENT External Power supply is ON and is supplying power to the Load and charging the Battery.	Load Terminals: • = Rated Amps of External Power Supply minus Battery Charging Current • Max limit = 25A	Battery Terminals (Battery Fully Charged): Up to 0.1% of Ah capacity of Battery	Battery Terminals (Discharged Battery): • 12V Battery: Up to 4A (at 11.1V) • 24V Battery: Up to 8A (at 22.3V)
	OUTPUT CURRENT External Power Supply is OFF and External Battery is supplying power to the Load.	Load Terminals: Maximum limit = 25A	Load Terminals: Maximum limit = 25A	Load Terminals: Maximum limit = 25A
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	98.8 x 114 x 47.5		
	(W x D x H), INCHES	3.9 x 4.5 x 1.9		
WEIGHT	KG	0.3		
	LBS	0.7		

NOTE: Specifications are subject to change without notice