



samlexamerica[®]

100A



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 | | |

NOTE: Specifications are subject to change without notice

12001-BBM-12100-0814