



## Replacement Power Modules for BRM Model Power Supplies

| Models                      |
|-----------------------------|
| SEC-2012MPSB<br>20 Amps     |
| SEC-1024MPSB<br>10 Amps     |
| SEC-0548MPSB<br>5 Amps      |
| SEC-2012MPSB-230<br>20 Amps |

### Design Features

- Provides N+1 redundancy (2 or more running in parallel)
- Expand output power by adding power modules
- Operation status LED
- Remote indication of operation status
- Open frame construction

## 2 YEAR LIMITED WARRANTY

| MODEL NO.                               | SEC-2012MPSB  | SEC-1024MPSB              | SEC-0548MPSB              | SEC-2012MPSB-230          |
|---|---|---------------------------|---------------------------|---------------------------|
| INPUT VOLTAGE RANGE                     | 108 - 132 VAC, 50 / 60 Hz   | 108 - 132 VAC, 50 / 60 Hz | 108 - 132 VAC, 50 / 60 Hz | 108 - 132 VAC, 50 / 60 Hz |
| INPUT CURRENT                           | 4A ± 0.5A   | 4A ± 0.5A                 | 4A ± 0.5A                 | 4A ± 0.5A                 |
| INPUT POWER FACTOR                      | 0.6 ± 0.05  | 0.6 ± 0.05                | 0.6 ± 0.05                | 0.6 ± 0.05                |
| PRESET OUTPUT VOLTAGE                   | 14.2 ± 0.05 VDC   | 28 ± 0.1 VDC              | 55 ± 0.2 VDC              | 14.2 ± 0.05 VDC           |
| ADJUSTMENT OUTPUT VOLTAGE               | 13.9 - 14.9 VDC   | 26.8 - 28.5 VDC           | 13.9 - 14.9 VDC           | 13.9 - 14.9 VDC           |
| OUTPUT VOLTAGE REGULATION               | 1%  | 1%                        | 1%                        | 1%                        |
| CONTINUOUS OUTPUT CURRENT               | 20A   | 10A                       | 5A                        | 20A                       |
| OUTPUT CURRENT LIMIT                    | 24A ± 1A  | 12A ± 1A                  | 6A ± 0.3A                 | 24A ± 1A                  |
| OUTPUT RIPPLE (PEAK TO PEAK)            | < 150 mV  | < 150 mV                  | < 150 mV                  | < 150 mV                  |
| OUTPUT NOISE (PEAK TO PEAK)             | < 2V  | < 2V                      | < 2V                      | < 2V                      |
| EFFICIENCY                              | 82 ± 1%   | 85 ± 1%                   | 87 ± 1%                   | 82 ± 1%                   |
| COOLING                                 | Through heat sink mounted on the PBC. Requires external fan.      |                           |                           |                           |
| OPERATING TEMPERATURE                   | 0 - 40°C  | 0 - 40°C                  | 0 - 40°C                  | 0 - 40°C                  |
| PARALLEL OPERATION WITH CURRENT SHARING | Active current share control through daisy chained Share Bus.     |                           |                           |                           |
| PROTECTIONS                             | Short circuit, current limit, input surge / transient suppression |                           |                           |                           |
| INPUT AC SIDE FUSE                      | 250V, 4A  | 250V, 4A                  | 250V, 4A                  | 250V, 4A                  |
| DIMENSIONS, MM (L x W x H)              | 183 x 86 x 64   | 183 x 86 x 64             | 183 x 86 x 64             | 183 x 86 x 64             |
| DIMENSIONS, INCHES (L x W x H)          | 7.2 x 3.4 x 2.5   | 7.2 x 3.4 x 2.5           | 7.2 x 3.4 x 2.5           | 7.2 x 3.4 x 2.5           |
| WEIGHT, KG                              | 0.73  | 0.73                      | 0.73                      | 0.73                      |
| WEIGHT, LB                              | 1.6   | 1.6                       | 1.6                       | 1.6                       |

NOTE: Specifications are subject to change without notice