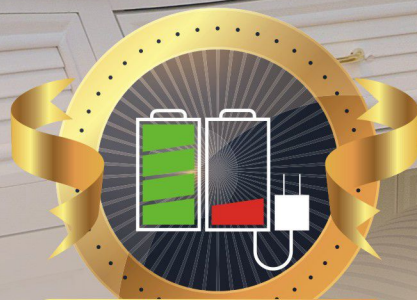


**BOOM** | **SOLAR PCU WITH LED** | **500VA - 2000VA**



**INDEPENDENT CHARGER FOR THE RECOVERY OF DEEP DISCHARGED BATTERY**



**SMART SOLAR OPTIMIZATION USER SETTING**



**EXTREMELY ECONOMICAL**



**SOLAR PANEL CAPACITY UPTO 300W TO 2000W**

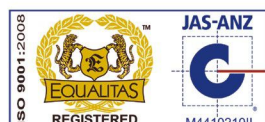


**USER FRIENDLY LED DISPLAY**

IS 16242 (Part 1): 2014



R-91004766




**PRODUCT SPECIFICATIONS**

| MODEL NAME   | 500VA/12V  | 700VA/12V | 900VA/12V | 1100VA/12V | 2000VA/24V          |
|--|--|-----------|-----------|------------|---------------------|
| <b>MAINS MODE</b>                                      |  |           |           |            |                     |
| Mains AC Input range (UPS mode)                        | 175VAC-265VAC ± 10VAC  |           |           |            |                     |
| Mains AC low cut recovery UPS mode                     | 185VAC ± 10VAC   |           |           |            |                     |
| Mains AC high cut recovery UPS mode                    | 255VAC ± 10VAC   |           |           |            |                     |
| Mains AC Input range (WUPS mode)                       | 90VAC-295VAC ± 10VAC   |           |           |            |                     |
| Mains AC low cut recovery WUPS mode                    | 110VAC ± 10VAC   |           |           |            |                     |
| Mains AC high cut recovery WUPS mode                   | 285VAC ± 10VAC   |           |           |            |                     |
| Input Frequency Range                                  | 48Hz to 52Hz   |           |           |            |                     |
| <b>Battery</b>   |  |           |           |            |                     |
| DC input voltage                                       | 12V  |           |           |            | 24V                 |
| Float Charging Voltage                                 | 13.7V ± 0.2V   |           |           |            | 27.4V ± 0.2V        |
| Bulk absorption Voltage                                | 14.8V ± 0.2V   |           |           |            | 29.6V ± 0.2V        |
| Boost charging Voltage for LA Battery                  | 14.0V ± 0.2V   |           |           |            | 28.0 ± 0.2V         |
| Boost charging Voltage for TUB/SMF                     | 14.5V ± 0.2V   |           |           |            | 29.0 ± 0.2V         |
| Battery deep Discharge Recovery                        | Yes (Independent Charger to Recover Deep Discharge Battery)  |           |           |            |                     |
| Charging Current at Grid/Battery Priority              | 10A ± 2A   | 15A ± 2A  |           |            |                     |
| <b>Backup Mode</b>                                     |  |           |           |            |                     |
| Output voltage   | 220 VAC ± 10%  |           |           |            |                     |
| Output Frequency                                       | 50Hz ± 0.2 Hz  |           |           |            |                     |
| Output waveform  | Pure Sine Wave ≤ 5%THD   |           |           |            |                     |
| Low Battery Warning                                    | 10.8 + 0.2V  |           |           |            | 21.6V ± 0.2V        |
| Low Battery Cut  | 10.4 + 0.2V  |           |           |            | 20.8V ± 0.2V        |
| Change over time UPS /WUPS mode                        | < 10msec / < 25msec  |           |           |            |                     |
| <b>Protections</b>                                     |  |           |           |            |                     |
| Overload in Backup mode                                | Yes provided, system will indicate on display at 101% load   |           |           |            |                     |
| Short Circuit in Backup mode                           | System will shutdown after 3 - retries in case of output short circuit   |           |           |            |                     |
| Short Circuit in Mains mode                            | Mains Fuse will blown  |           |           |            | Mains MCB will trip |
| Back Feed  | System will shutdown in case of back feed and there is no retry  |           |           |            |                     |
| Over temperature                                       | Yes provided, if heat sink temperature goes above 100°C System will shut down  |           |           |            |                     |
| Reverse Battery  | DC fuse will blown   |           |           |            |                     |
| Phase to Phase protection in mains mode                | Yes provided by electronic   |           |           |            |                     |
| <b>Solar Charge Controller</b>                         |  |           |           |            |                     |
| Solar Charge Controller type                           | PWM type   |           |           |            |                     |
| Maxi Panel wattage can be connected                    | 600W   |           |           |            | 1500W               |
| Maxi PV current  | 25A  |           |           |            | 50A                 |
| Reverse PV protection /current flow to PV              | Available  |           |           |            |                     |
| Sharing of current when PV and Grid Both are available | If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid. |           |           |            |                     |
| Option for Grid and Battery priority                   | Yes, provided user can set priority for Battery or Grid Hence user set system in electricity bill saving                 |           |           |            |                     |
| <b>Display and Alarms</b>                              |  |           |           |            |                     |
| Display  | LED Display  |           |           |            |                     |
| <b>Weight and Dimensions</b>                           |  |           |           |            |                     |
| Dimensions in mm                                       | 270x190x125  |           |           |            | 340x230x260         |


**HOME UPS**
**SOLAR PCU**
**TUBULAR BATTERY**
**SMF BATTERY**
**MPPT SOLAR  
POWER CONDITIONING UNIT**
**SOLAR  
CHARGE CONTROLLER**
**SOLAR  
KITS & ACCESSORIES**

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