



### FEATURES:

- Series controller
- Voltage regulation
- Automatic detection of voltage
- PMW control
- Multistage charging technology
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Common positive grounding or negative grounding on one terminal
- Integrated self test

### ELECTRONIC PROTECTION FUNCTIONS :

- Over charge protection
- Deep discharge protection
- Reverse polarity protection of load , module and battery
- Automatic electronic fuse
- Short circuit protection at module input
- Overvoltage protection at module input
- Open circuit protection without battery
- Reverse current protection at night
- Over temperature and overloadprotection
- Battery over voltage shutdown

### OPTIONS :

- Night light function pre-set in the factory or adjustable via MAX PA RC100
- Parameterisation of function via PA RC100

### CERTIFICATES:

- Compliant with European Standarts ( CE )
- ROHS compliant

| MODEL NO                             | Solsum 6.6F                                    | Solsum 8.8F | Solsum 10.10F |
|--------------------------------------|--|-------------|---------------|
| OPEN CIRCUIT VOL TAGE MODULE         | < 47 V   |             |               |
| MODULE CURRENT                       | 6A   | 8A          | 10A           |
| LOAD CURRENT                         | 6A   | 8A          | 10A           |
| END OF CHARGE VOLTAGE                | 13.9 V / (27.8 V)                              |             |               |
| BOOST CHARGE VOLTAGE                 | 14.4 V (28.8 V)                                |             |               |
| RESET VOL TAGE (SOC/L VR)            | > 50 % / 12.4 V ... 12.7 V (24.8 V ... 25.4 V) |             |               |
| DEEP DISCHARGE PROTECTION (SOC/L VD) | 30 % / 11.2 V ... 11.6 V (22.4 V ... 23.2 V)   |             |               |
| SYSTEM VOL TAGE                      | 12 V (24 V)                                    |             |               |
| SELF CONSUMPTION                     | < 4 MA   |             |               |
| AMBIENT TEMPERATURE ALLOWED          | (-)25 °C +50 °C                                |             |               |
| TERMINAL SIZE (FINDE / SINGLE WIRE)  | 4 MM2 / 6 MM2 - AWG 12 / 9                     |             |               |
| ENCLOSURE PROTECTION                 | IP 32  |             |               |
| DIMENSIONS, MM (L X W X H)           | 145 X 97.15 X 23.9                             |             |               |
| DIMENSIONS, INCHES (L X W X H)       | 5.7 X 3.82 X 0.94                              |             |               |
| WEIGHT, KG                           | 0.15   |             |               |
| WEIGHT, LB                           | 0.33   |             |               |

