



*Affordable Solar Power*



## TECHNICAL SPECIFICATIONS

| Parameters                              | Systellar CC 1224-10A / 20A  |
|---|--|
| Charge controller technology            | PWM charging   |
| Battery Voltage Configurations          | 12V / 24V Auto Select  |
| Battery type selection (through Jumper) | Flat cell / Tubular / SMF type battery   |
| Input PV Open Circuit Array Voltage     | 18/21.6 Vdc for 30/36 cell panel (for 12V battery)<br>36/43.2 Vdc for 60/72 cell panel (for 24V battery bank)                                      |
| Charging method                         | 3 stage charging (Boost, Absorption, Trickle)  |
| Max Charging Current (at 25 °C)         | 10 Amps / 20 Amps DC   |
| Hybrid functionality                    | Using Power saver accessory (optional)   |
| Efficiency (%)                          | Up to 98.5%  |
| Trickle charging level                  | 13.5 ± 0.1 V   |
| Boost / Absorption charging level       | Flat cell battery - 14.4 V Hold time 30 minutes<br>Tubular cell battery - 14.4 V Hold time 120 minutes<br>SMF battery - 14.4 V Hold time 5 minutes |
| <b>Protection features</b>              | Battery over-charging protection   |
|   | Reverse polarity protection (Battery & PV panel both)  |
|   | Visual indication LED for wrong polarity connection  |
|   | Battery specific charging for Flat cell / Tubular / SMF battery  |
|   | Battery charging status LED  |
|   | Rugged product design  |
| <b>General Specifications</b>           |  |
| Specified Temperature Range             | 0 °C to 45 °C  |
| Usage                                   | For indoor use only  |
| Unit Weight                             | 0.32 kg  |
| Shipping Weight                         | 0.50 kg  |
| Dimensions (H x W x D)                  | 135mm x 85mm x 55mm  |
| Mounting                                | Vertical wall mount - indoor only  |
| Manufacturing Warranty                  | One year   |

\* Technical Specification may change in process of product enhancement

# Systellar Innovations

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