



Affordable Solar Power



TECHNICAL SPECIFICATIONS

Parameters	Systellar CC-PPL-1224-20A / 40A
Charge controller technology	PWM charging
Battery Voltage Configurations	12V / 24V Auto Select
Battery type selection (Jumper selection)	Flat cell / Tubular / SMF type battery
Input PV Open Circuit Array Voltage	18/21.6 Vdc for 30/36 cell panel (for 12V battery) 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)	20 Amps / 40 Amps DC (Even with excess Solar Panels)
Hybrid functionality	Using Power saver accessory (optional)
Efficiency (%)	Up to 98.5%
Trickle charging level	13.6 ± 0.1 V
Boost / Absorption charging level	Flat cell battery - 14.4 V Hold time 30 minutes Tubular cell battery - 14.4 V Hold time 120 minutes SMF battery - 14.4 V Hold time 5 minutes
Protection features	Battery over-charging protection
	Reverse polarity protection (Battery & PV panel both)
	Visual indication LED for wrong polarity connections
	Battery specific charging for Flat cell / Tubular / SMF battery
	Battery charging status / fault indication dual color LED
	DC Load current limited to 20A electronically
	Rugged product design with natural ventilation cooling
General Specifications	
Specified Temperature Range	0 °C to 45 °C
Usage	For indoor use only
Unit Weight	0.6 kg / 0.9 kg
Shipping Weight	1.0 kg / 1.5 kg
Dimensions (H x W x D)	125mm x 125mm 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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