



d.light i1100 Solar Hybrid PCU



Model Name	i1100					
System Rating	700/12 VA					
Operating DC Voltage	12Vdc					
Maximum Solar Array Power	500 Wp					
Type of Solar Charger	PWM					
Max Current Rating of SCC	40.0 Adc					
Efficiency of SCC	>90 %					
Nominal Output Voltage in Inverter Mode	220V ± 7V Vac					
Max Battery Charging Current by Solar	20±2A Adc					
Max Charging Current to Battery by Solar+Grid	20±2A Adc					
Grid Low Cut Voltage (UPS load/Normal load)	180/100 ± 10 Vac					
Grid High Cut Voltage (UPS load/Normal load)	265/280 ± 10 Vac					
Selection of UPS Load/Normal Load	Through switch					
Selection of Operating Mode	<p>HC-Charging current = 20A ±2A Solar + Mains till battery boost voltage with maximum Solar Sharing. System will not disconnect grid in any case</p> <p>EC-Charging current= 20A ±2A Solar + Mains till boost voltage, System will cut off the mains when battery voltage reaches boost voltage level and output load is transferred to Solar + Battery and Grid reconnected <=11.8/11.2V per Battery.</p>					
Noise @ 1 meter	<50 dB					
Protections	Overload, Battery Deep discharge, Battery Overcharge, O/P Short circuit (1 retry), Battery Hi, PV Reverse, Over Temp, Fuse Trip, Battery Reverse					
LCD Display Parameters	PV Current, Battery voltage, Mains voltage, UPS ON/OFF, UPS Mode, Symbol of sun (Smily) if solar available, (non smily symbol in absence of solar), Load percentage (0 to 125%), over load, short ckt, fault, battery low, over temp, PV reverse, Fuse trip.					
Indications LEDs	4 LEDs for Switch Status					
Operating Temperature Range	0-50°C					
Storage Temperature Range	0-65°C					
Front Panel Details	Display with Tact Switch					
Rear Panel Details	O/P Socket, Circuit Breaker, Mains & Batt. Cable & Fan					
Enclosure Protection	IP 20					
Mains Connection	3 core copper cable size 0.75sqmm & 1.25mtr length					
Output	Output Socket 6A					
Fuse in Battery Path	Internal Fuse	<table border="1"> <tr> <td>Gross Weight</td> <td>10.5 Kg (± 0.2 Kg)</td> </tr> <tr> <td>Product Dimension</td> <td>370x350x185 mm (±10mm) (LxBxH) in mm</td> </tr> </table>	Gross Weight	10.5 Kg (± 0.2 Kg)	Product Dimension	370x350x185 mm (±10mm) (LxBxH) in mm
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Fuse in Solar Path	Yes					
Input Protection	Through Circuit Breaker					



Intelligent charge sharing feature with ISFT



Powerful charging even at low voltage



Pure sine wave for efficient and silent operation



High efficiency saving on the electricity bill guaranteed*

