



Technical Specifications of Solar Charge Controllers											
MODELS	12V	24V	48V	96V	120V	180V	240V	360V	110V	120V	
Charging Current I <sub>max</sub> .	10A-45A			40A	60A	40A	40A	30A	50A	30A	60A
Type	Series Regulator Common Negative								Series Regulator Common Positive		
Maximum I/P PV Voltage	25V Per 36cell Solar module										
Solar Array	Single Array							Dual Array	Single Array	Dual Array	
Charge Controller Start Time	25 Sec. ± 5 Sec.										
Bulk Voltage	14.2V ± 0.2V	28.4V ± 0.4V	56.8V ± 1V	113.6V	142V	216V ± 2V	282V ± 2V	422V ± 3V	131V ± 1V	141V ± 1V	
Adjustable Bulk Voltage	13.2V-15V	26.4V-30V	52.8V-60V	105.6V-120V	132V-150V	198V-225V	264V-300V	396V-450V	127V-132V	132V-150V	
Transition from float to bulk	Below float level for a cumulative period of 1 hour										
Float Voltage	13.5V ± 0.2V	27 V ± 0.4V	54V ± 1V	108V	135V	211V ± 2V	270V ± 2V	408V ± 3V	126V ± 1V	135V ± 1V	
Equalization	Manual/Auto Mode			N/A							
Equalizing Voltage	Bulk Voltage +1V for 12V batt.			N/A							
Low Battery Indication	11V ± 0.2V	22V ± 0.4V	44V ± 1V	88V	110V	162V ± 2V	216V ± 2V	324V ± 3V	100V ± 1V	110V ± 1V	
Low Battery Indication Reconnect	12.2V ± 0.2V	24.4V ± 0.4V	49V ± 1V	97.6	146.4	183V ± 2V	244V ± 2V	365V ± 3V	114V ± 1V	122V ± 1V	
Battery High Charging Cut off	15.4V ± 0.2V	30.8V ± 0.4V	61V ± 1V	123V	154V	230V ± 2V	288V ± 2V	445V ± 3V	142V ± 1V	144V ± 1V	
Charging Cut off Reconnect	13V ± 0.2V	26V ± 0.4V	52V ± 1V	104V	130V	195V ± 2V	260V ± 2V	390V ± 3V	121V ± 1V	135V ± 1V	
<b>PROTECTION</b>											
	Over Current, Battery over Charge Protection, PV/Battery Reverse Polarity, Reverse Current Flow, High Temp.										

Automatic Charger Restart Time after High Current	3.5 Minutes			
Over Current Shutdown	≥ 110%			
High Temperature Charger Comp.	> 75°C ±5°C			
High Temperature Charger Reconnect	< 60°C ±5°C			
Cooling fan ON	N/A			≥50°C
Cooling fan OFF	N/A			≥45°C
PC Communication Interface	Available			N/A
<b>ENVIRONMENTAL</b>				
Operating Temp.(in-house type test)	0°C to + 40°C			
Storage Temp.(in-house type test)	0°C to + 55°C			
Relative Humidity	0-95% Non-Condensing			
IP Rating	IP-20			
Design Serviceuse	Indoor			
<b>ENCLOSURE</b>				
Mounting Type	Suitable for wall mounting			
Size (WxDxH) ± 10mm	227x140x75			400x475x151
Weight (approx.) (Kg)	1.1Kg./1.5Kg.			9.75Kg.
Note: Specifications are subject to change without prior any notice.				

*As on September 2013*