

TECHNICAL SPECIFICATION

	12V	12V	24V	48V	72V	96V	120V
Battery Type	LA/Tubular/SMF						
Technology	Digital Processor Based High Efficiency Design						
Max. PV Current Rating	25 AMP	50 AMP					
Max. PV Voltage Rating	25V	25V	55V	90V	132V	265V	265V
Max. Panel Install	500 Watt	1000 Watt	1500 Watt	3000 Watt	4500 Watt	6500 Watt	8500 Watt
Float Charging Voltage	13.7V±0.2V	13.7V±0.2V	27.4V±0.2V	54.8V±0.2V	82.2V±0.2V	109.6V±0.2V	137V±0.2V
Boost Charging Voltage For Tubular And SMF Battery	14.5V±0.2V	14.5V±0.2V	29V±0.2V	58V±0.2V	87V±0.2V	116V±0.2V	145V±0.2V
Boost Charging Voltage For LA Battery	14V±0.2V	14V±0.2V	28V±0.2V	56V±0.2V	84V±0.2V	112V±0.2V	140V±0.2V
Bulk/Absorption Voltage	14.8V±0.2V	14.8V±0.2V	29.6V±0.2V	59.2V±0.2V	88.8V±0.2V	118.4V±0.2V	148V±0.2V
Solar Charge Controller To PV Power Connection Time	<15 Sec.						
Peak Efficiency	>90%						
SCC Type	PWM (Pulse With Modulation)						
PROTECTIONS							
Reverse PV Protection	Provided						
Reverse Current Flow to PV	Provided						
High PV Voltage	Provided						
Over Temperature	Provided (If heat sink temperature goes above 100°C, system will shut down)						
DISPLAY PARAMETERS							
Display Type	LCD Display						
Display Messages	Welcome, Smarten Website Address, System Capacity						
SCC Fault/Protection Status	Reverse PV/DC Load Overload/High PV voltage / High Temp.						
ENVIRONMENT							
Operating Temperature	0°C To 40°C						
Storage Temperature	0°C To 50°C						
Operating Relative Humidiy	90% Non-Condensing						