

SOLAR PWM Charger																		
Model No	12V10A	24V10A	12V20A	24V20A	48V10A	12V30A	24V30A	12V50A	12V40A	24V60A	48V50A	12V100A	24V100A	48V100A	96V20A	120V20A	72V40A	
Input --PV panel																		
Nominal Panel Voltage	12	24	12	24	48	12	24	12	12	24	48	12	24	48	96	120	72	
Max Panel Voltage (Voc)	25	50	25	50	84	25	50	25	25	50	84	25	50	84	168	210	126	
Panel (Wattage) Wp	150w	300w	300w	600w	600w	450w	900w	750w	650w	1800w	3000w	1500w	3000w	6000w	2500w	3000w	3600W	
Output																		
Battery Voltage (Nominal)	12	24	12	24	48	12	24	12	12	24	48	12	24	48	96	120	72	
Charging Voltage	14.4	28.8	14.4	28.8	57.6	14.4	28.8	14.4	14.4	28.8	57.6	14.4	28.8	57.6	115.2	144	82.8	
Maximum Charging Current	10A	10A	20A	20A	10A	30A	30A	50A	40A	60A	50A	100A	100A	100A	20A	20A	40A	
Protections																		
Lightning (MOV)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Panel Reverse Polarity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Battery Reverse Polarity(by fuse)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Short Circuit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Over Load	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Low Battery Cutoff	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cooling system	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	FAN	FAN	FAN	Natural	Natural	Natural	
Indication-																		
Charging Status- LED	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Battery Reverse	NA	NA	NA	NA	NA	NA	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PV Reverse	NA	NA	NA	NA	NA	NA	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Over Load	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Low Battery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dimension	135WX90DX50H mm		165W X 105D X 60H mm				235WX 120D X 70H mm				235WX 200D X 100H mm							
Enclosure Type	IP20																	
Weight	370Gms		650Gms				1200Gms								2 kgs.		2 kgs.	
Operating Temp	0 - 50°C																	
Mounting	Panel/wall Mounting																	
Insertion Loss	< 2%																	

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