

PV INPUT

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Max PV Input Power	2000 W	5000 W	7500 W
MPPT Tracking Voltage Range	30–240 Vdc	40–450 Vdc	180–450 Vdc
Rated PV Voltage	180 Vdc	360 Vdc	360 Vdc
Max PV Input Voltage	240 Vdc	500 Vdc	500 Vdc
Max PV Input Current	15 A	18 A	27 A
MPPT Tracking Channels	1 Routed	1 Routed	2 Routed



BATTERY & CHARGING

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Rated Battery Voltage	12 Vdc	24 Vdc	48 Vdc
Battery Voltage Range	10.5–15 Vdc	21–30 Vdc	42–60 Vdc
Max PV Charging Current	60 A	150 A	150 A
Max AC Charging Current	50 A	100 A	100 A
Max Total Charging Current	80 A	250 A	250 A

ON-GRID AC OUTPUT

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Rated Output Power	1300 W	3300 W	6300 W
Rated Output Voltage	220/230/240 Vac	220/230/240 Vac	220/230/240 Vac
Rated Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated Output Current	5.9/5.5/5.4 A	15/14.5/13.8 A	28.6/27.4/26.3 A

OFF-GRID AC INPUT

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Mains Voltage Range	165–280 Vac / 120–280 Vac	same	same



PERFORMANCE

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Max Conversion Efficiency	94 %	94 %	94 %
MPPT Tracking Efficiency	≥ 99.9 %	≥ 99.9 %	≥ 99.9 %



ENVIRONMENT

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Operating Temperature	-10 °C ~ 50 °C	-10 °C ~ 50 °C	-10 °C ~ 50 °C



PHYSICAL

Parameter	1.3 kW – 12 V	3.3 kW – 24 V	6.3 kW – 48 V
Product Size mm	285×520×165	415×680×264	515×585×175
Net Weight (kg)	4	9	14