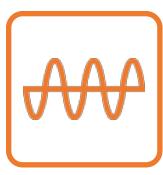


On/off grid hybrid inverter

MAX-7.2KW
MAX-8.2KW
MAX-10.2KW



Pure sine wave solar hybrid inverter
(on/off grid)



Dual output and Dual PV input



High PV input voltage range
90-500VDC



Built-in 140A (for 7.2KW) /160A (for
8.2KW/10.2KW) MPPT solar controller



Inverter can run without battery



Smart battery charge design to optimize
battery life

Model	MAX-7.2KW	MAX-8.2KW	MAX-10.2KW
Phase	1-phase		
Maximum PV Input Power	8200W	8200W (5400W+5400W)	10200W (5400W+5400W)
Rated Output Power	7200W/7200VA	8200W/8200VA	10200W/10200VA
Maximum Solar Charging Current	140A	160A	160A
ON-GRID OPERATION			
PV Input(DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90VDC~450VDC		
Number Of MPPT Trackers/ Maximum Input Current	1/23A	1/23A 2/18A	1/23A 2/18A
Grid Output(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	31.3A	35.6A	44.3A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49~51±1Hz		
Efficiency			
Maximum Conversion Efficiency(DC/AC)	98%		
Two Load Output Power(V2.0)			
Full Load	7200W	8200W	10200W
Maximum Main Load	7200W	8200W	10200W
Maximum Second Load(Battery mode)	2400W	2733W	3400W
Main Load Cut Off Voltage	44VDC	44VDC	44VDC
Main Load Return Voltage	52VDC	52VDC	52VDC
OFF-GRID OPERATION			
AC Input			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC / 180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	40A	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	14400W	16400W	20400W
PV Input(DC)			
Maximum DC Voltage	500VDC		
MPPT Voltage Range	90VDC~450VDC		
Number of MPPT Trackers/ Maximum Input Current	1/23A	1/23A 2/18A	1/23A 2/18A
Battery Mode Output(AC)			
Nominal Output Voltage	48VDC	48VDC	48VDC
Output Waveform	Pure sine wave		
Efficiency(DC to AC)	94%		
Battery & Charger			
Nominal DC Voltage	48VDC	48VDC	48VDC
Maximum Solar Charging Current	140A	160A	160A
Maximum AC Charging Current	120A	140A	140A
Physical			
Dimension,D*W*H	500*390*130mm	530*390*130mm	530*390*130mm
Net Weight(kgs)	14.6KG	14.6KG	14.8KG