

On/off Grid Hybrid inverter

ECO-4.2KW PLUS
ECO-6.2KW PLUS



Pure sine wave solar inverter
Support on/off Grid



Built-in anti-dust kit for harsh
environment



Built-in 120A MPPT Solar controller,
Max 6200w for 4200w, Max 6500W
for 6200W



Smart battery charge design to
optimize battery life



High PV input voltage range
(60~500VDC)



Low no-load loss, lower than high-frequency
machines with the same power rate

Model	ECO 4.2KW PLUS	ECO 6.2KW PLUS
Phase	1-phase	
Maximum PV Input Power	6200W	6500W
Rated Output Power	4200W	6200W
Maximum Solar Charging Current	120A	
PV INPUT(DC)		
Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
Start-up Voltage /Initial Feeding Voltage	60VDC/90VDC	
MPPT Voltage Range	60~450VDC	
MaximumInput Current	1/18A	1/22A
Start-up Voltage (Hybrid Operation)	90VDC/120VDC	
Start-up Voltage (On Grid Operation)	60VDC/90VDC	
BATTERY & CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Solar Charging Current	140A	120A
Maximum AC Charging Current	100A	100A
Maximum Charging Current	140A	120A
ON-GRID OPERATION		
ON GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
Maximum Conversion Efficiency(DC/AC)	98%	
TWO LOAD OUTPUT POWER		
Full Load & Maxium Main Load	4200W	6200W
Maxium Second Load (battery mode)	1400W	2067W
Maxium Load Cut Off Voltage	26VDC	52VDC
Maxium Load Return Voltage	27VDC	54VDC
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage /Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC Or 170-280VAC	
Frequency Range	49~51±1HZ	
Maximum AC Input Current	30A	40A
BATTERY MODE OUTPUT(AC)		
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	94%	
GENERAL		
Dimension.D*W*H(mm)	420*350*110	
Carton Dimension,D*W*H(mm)	500*415*180	
Net Weight (kgs)	8.5	9
Gross Weight(kgs)	9.5	10
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY	
Humidity	5% to 95% Relative Humidity(Non ~ condensing)	
Operating Temperature	-10°C~50°C	
Compliance Safety	CE	