ES On/Off Grid Solar Inverter

6.2KW/12KW

MAIN FEATURES

- Built-in 1 or 2 MPPT
- Can parallel 1-6 units
- Can operate independently off the grid or in parallel with the grid
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional

Product Specifications

Model		ES622048-M100-A	ES622048-M100-B	ES123048-M150-A	ES123048-M150-B
Parallel Mode (function reserved)	Allow Quantity	-A None/-B 1~6			
Mains Mode	Nominal Input Voltage	220/230VAC		230VAC	
	Input Voltage Range	(170~280VAC)±2%(UPS mode);(90~280VAC)±2%(APL mode)			
	Frequency	50/60Hz(Auto detect)			
	Frequency Range	47±0.3~55±0.3HZ(50Hz);57±0.3~65±0.3Hz(60Hz)			
	Max. Efficiency	>95%			
	Conversion Time (bypass and inverter)	10ms(typical)			
	Max. Bypass Overload Current	40A		60A	
Inverter Mode	Output Voltage Waveform	Pure Sine Wave			
	Nominal Output Power	6200VA/6200W		12000VA/12000W	
	Power Factor	1			
	Nominal Output Voltage	230VAC			
	Output Frequency Range	50±0.3Hz/60±0.3Hz			
	Max. Efficiency	>92%		≥93%	
	Overload Protection	(102%<load<125%) ±10%:report error and turn off the output after 5 minutes (125%<load<150%) ± 10%:report error and turn off the output after 10 seconds Load>150%±10%:report error and turn off the output after 5 seconds			
	Peak Power	12000VA		24000VA	
	Load Motor Capability	4HP		8HP	
	Nominal Batteryinput Voltage	48V(Min. start voltage 44V)			
	Battery Voltage Range	40.0~60VDC±0.6VDC(Undervoltage alarm/shutdown voltage/overvoltage alarm/overvoltage recovery...LCD screen can be set)			
	Save Power Mode	Load≤25W Enter save power mode		Load≤50W Enter save power mode	
Mains Charge	Battery Type	Lead-acid or lithium batteries			
	Max. Charge Current (configurable)	80A		150A	
	Charge Voltage Range	40~60VDC			
Solar Charge	Max. PV Open Circuit Voltage	500VDC			
	PV Operate Voltage Range	120~500VDC			
	MPPT Voltage Range	90~450VDC			
	Battery Voltage Range	40~60VDC			
	Max.PV Input Power/Current	6000W/22A		9000W*2/27A*2	
	Charge Current Range (configurable)	0~100A		0~150A	
Max, Hybrid Charge Current (PV+AC)	Max. Hybrid Charge Current (configurable)	0~100A		0~150A	
Certification	Safety Certifcation	CE(IEC62109-1,2)			
	EMC Certifcation Level	EN61000,C2			
	Operate Temperature Range	-15~55°C			
	Storage Temperature Range	-25~60°C			
	Humidity Range	5~95%(Three anti-paint protection)			
	Noise	≤60dB			
	Cooling	Forced air cooling,adjustable wind speed			
	Communicate	USB/RS485 (/WiFi/GPRS)/Dry node control			
Dimensions(L*W*H)mm		280*100*415		350*120*540	
Package Dimensions(L*W*H)mm		385*200*505		460*230*645	
Weight(KG)		7.8		18.5	