AS On/Off Grid Solar Inverter

3.6KW/6.5KW

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

Model		AS362048-M80-A	AS362048-M80-B	AS652048-M150-A	AS652048-M150-B
Parallel Mode (function reserved)	Allow Quantity	-A None/-B 1~6			
Mains Mode	Nominal Input Voltage	120VAC±5%			
	Input Voltage Range	(90~140VAC)±2%			
	Frequency	50/60Hz(Auto detect)			
	Frequency Range	47±0.3Hz~55±0.3Hz(50Hz); 57±0.3Hz~65±0.3Hz(60Hz)			
	Max.Efficiency	>95%			
	Conversion Time (bypass and inverter)	10ms(Typical value)			
	Max.Bypass Overload Current	40A		60A	
Inverter Mode	Output Voltage Waveform	Pure Sine Wave			
	Nominal Output Power	3600VA/3600W		6500VA/6500W	
	Power Factor	1			
	Nominal Output Voltage	120VAC			
	Output Frequency Range	50±0.3Hz/60±0.3Hz			
	Max.Efficiency	>91%			
	Overload Protection	(102%<load<125%)±10%: report error, turn off the output after 5 minutes (125%<load<150%)±10%: report error, turn off the output after 10 seconds load>150%±10%: report error,turn off the output after 5 seconds			
	Peak Power	7200VA		12000VA	
	Load Motor Capability	2HP		5HP	
	Nominal Battery Input Voltage	48V(Min. starting 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	Loads 25W			
Mains Charge	Battery Type	Lead-acid or lithium batteries			
	Max.Charge Current (configurable)	40A		120A	
	Charge Voltage Range	40~60VDC			
Solar Charge	Max.PV Open Circuit Voltage	300VDC			
	PV Operate Voltage Range	80~300VDC			
	MPPT Voltage Range	90~260VDC			
	Battery Voltage Range	40~60VDC			
	Max.PV Input Power/Current	4500W/27A		4500W*2/22A*2	
	Charge Current Range (configurable)	0~80A		0~150A	
Max.Hybrid Charge Current (PV+AC)	Max.Hybrid Charge Current (configurable)	0~80A		0~150A	
Certification	Safety Certification	CE(IEC62109-1.2)			
	EMC Certification 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	