Technical Parameter

Model	AMO-HN483K-500/80	AMO-HN485K-500/80	AMO-HN486K-500/80	AMO-HN488K-500/80
AC mode				
Rated input voltage	220/230Vac		110/120Vac	
Input voltage range	(170Vac~280Vac) ±2% (90Vac-280Vac) ±2%		(90Vac-140Vac) ±2%	
Frequency	50Hz/ 60Hz (auto-sensing)			
Frequency range	47±0.3Hz ~ 55±0.3Hz (50Hz); 57±0.3Hz ~ 65±0.3Hz (60Hz);			
Overload/short-circuit protection	Breaker			
Efficiency	>95%			
Conversion time (Bypass and inverting)	10ms (Typical value)			
AC reverse flowing protection	yes			
Maximum bypass overload current	40A			63A
Inverting mode				
Output voltage waveform	Pure sine wave			
Rated output power (VA)	3000	5000	3500	5000
Rated output power (W)	3000	5000	3500	5000
Power factor	1			
Rated output voltage (Vac)	230Vac		120Vac	
Output voltage error	±5%			
Output frequency range (Hz)	50Hz ± 0.3Hz 60Hz ± 0.3Hz			

Efficiency	>90%			
Overload protection	(102%<load<125%) ±10%: reporting error and turn off the output after 5 minutes; (125%<load<150%) ±10%: reporting error and turn off the output after 10 seconds; Load>150% ±10%: reporting error and turn off the output after 5 seconds;		(102%<load<110%) ±10%: reporting error and turn off the output after 5 minutes; (110%<load<125%) ±10%: reporting error and turn off the output after 10 seconds; Load>125% ±10%: reporting error and turn off the output after 5 seconds;	
Peak power	6000VA	10000VA	7000VA	10000VA
Loaded motor capacity	2HP	4HP	2HP	4HP
Output short-circuit protection	Breaker			
Specification of bypass breaker	40A			63A
Rated battery input voltage	48V (minimum start voltage 44V)			
Battery voltage range	40.0Vdc~60Vdc ± 0.6Vdc (undervoltage alarm/turnoff voltage/overvoltage alarm/overvoltage restoration...settable LCD screen)			
Power saving mode	Load ≤25W			
AC charge				
Battery type	Lead acid or lithium battery			
Maximum charge current	60A		40A	
Charge current error	± 5Adc			
Charge voltage range	40–60Vdc			
Short-circuit protection	Breaker and blown fuse			
Breaker specification	40A			63A
Overcharge protection	Turn off charge after 1min alarm			
Solar charge				
Maximum PV open-	500Vdc		450Vdc	500Vdc

circuit voltage PV				
operation voltage range	120-500Vdc		120-450Vdc	120-500Vdc
MPPT voltage range	120-450Vdc		120-430Vdc	120-450Vdc
Battery voltage range	40-60Vdc			
Maximum output power	4200W	5000W	4200W	5000W
Charge current range of solar energy (settable)	0-60A	0-80A	0-60A	0-80A
Charge short-circuit protection	Blown fuse			
Wiring protection	Inverse wiring protection			
Authentication specification				
Specification authentication	CE(EN62109)			
EMC authentication grade	EN61000, C2			
Operation temperature range	-15°C to 55°C			
Storage temperature range	-25°C ~ 60°C			
Humidity range	5% to 95% (three-proof paint protection)			
Noise	≤60dB			
Thermal dissipation	Forced cooling with adjustable air speed			
Communication interface	USB/RS485 (bluetooth/WiFi/GPRS)/dry node control			
Dimension (L*W*D)	426mm*322mm*126mm			
Weight (kg)	10.9			