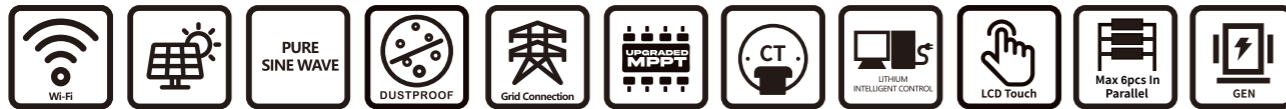


**MPPT SOLAR INVERTER**
**AN-FGI-AS 7.2KW/10KW/12KW**

**»» Features**

- Pure Sine Wave Solar Inverter;
- CT Zero export to grid(Optional);
- Inverter and Grid hybrid Power supply capable of withstanding continuous impact loads;
- With function of Lithium battery automatic activation by AC & PV;
- 125% EPS peak output in 5s;
- UPS-Level Switching time down to 10ms;
- Supports use without battery. PV and grid can supply power to load together;
- Easy & intuitive capacitive touch screen;
- WIFI remote monitoring (optional);
- Support diesel generator input;
- Can be used in parallel,support maximum 6pcs in parallel connection



MODEL	AN-FGI-AS7200P	AN-FGI-AS10000P	AN-FGI-AS12000P
<b>RATED POWER</b>	7200W	10000W	12000W
Permitted parallel number	NO/1~6		
<b>AC mode</b>			
Rated input voltage	120(L1/N, L2/N)/240Vac(L1/L2)		
Input phase voltage range	(85Vac~140Vac)±2%		
Frequency	50 Hz/60 Hz(Automatic detection)		
Frequency Range	47±0.3Hz~55±0.3Hz (50Hz); 57±0.3Hz~65±0.3Hz (60Hz)		
Overload/short circuit protection	Circuit breaker		
Efficiency	>95%		
Conversion time (bypass and inverter)	10ms (typical)		
AC reverse protection	Yes		
Maximum bypass phase overload current	2 pole, 40A/40A(L1/L2)		
<b>Inverter mode</b>			
Output voltage waveform	Pure sine wave		

Rated output power (VA)	Split phase: 7200; Single phase: 6000	Split phase: 10000; Single phase: 7200	Split phase: 12000; Single phase: 7200
Rated output power (W)	Split phase: 7200; Single phase: 6000	Split phase: 10000; Single phase: 7200	Split phase: 12000; Single phase: 7200
Power factor	1		
Rated output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)		
Output voltage error	±5%		
Output frequency range (Hz)	50Hz ±0.3Hz/60±0.3Hz		
Maximum Efficiency	>91%		
Overload protection	(105%< load <110%) ±5%: report error and turn off the output after 5 minutes; (110%< load< 125%) ± 5%: report error and turn off the output after 10 seconds; Load>125% ±5%: report error and turn off the output after 5 seconds;		
Peak power	Split phase: 12000VA; Single phase: 12000VA	Split phase: 18000VA; Single phase: 18000VA	Split phase: 18000VA; Single phase: 18000VA
Loaded motor capability	4HP	6HP	6HP
Output short circuit protection	Can protect, after continuous short circuit for 1 second		
Bypass circuit breaker phase specification	2 pole, 63A/63A(L1/L2)		
Rated battery input voltage	51.2V (Minimum starting voltage 44V)		
Battery voltage range	40.0Vdc~58.6Vdc±0.6Vdc		
Power saving mode self-consumption	Load≤25W enter power-saving mode		

**AC charging**

Battery type	Lead acid or lithium battery		
Maximum charge current(can be set)	120A	160A	160A
Charge current error	±5A <sub>dc</sub>		
Charge voltage range	40-58.6V <sub>dc</sub>		
Short circuit protection	Circuit breaker and blown fuse		
Circuit breaker phase specifications	2 pole, 40A/40A(L1/L2)	2 pole, 60A/60A(L1/L2)	2 pole, 60A/60A(L1/L2)

**PV charging**

Number of MPPT groups	2		
Maximum PV open circuit voltage	500V <sub>dc</sub>		
PV operating voltage range	90V <sub>dc</sub> ~500V <sub>dc</sub>		
MPPT voltage range	90V <sub>dc</sub> ~450V <sub>dc</sub>		
Battery voltage range	40-58.6V <sub>dc</sub>		
Maximum PV input power	4500W+4500W	6000W+6000W	9000W+9000W
Maximum PV input current	16A+16A	22A+22A	27A+27A
PV charging current range(can be set)	150A	220A	250A
Charging short circuit protection	Blown fuse		
Wiring protection	Reverse polarity protection		

**Hybrid charging Max charging current specifications (AC charging+PV charging)**

Max charger current(can be set)	0-150A	0-220A	0-250A
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**Certified specifications**

Certification	UL STD.1741, EMC		
Operating temperature range	-10°C to 55°C(>45°C derating)		
Storage temperature range	-25°C~60°C		
Humidity range	5% to 95% (Conformal coating protection)		
Noise	≤60dB		
Heat dissipation	Forced air cooling, variable speed of fan		
Communication interface	USB/RS485/(WiFi/GPRS)/ Dry node control		
Product dimensions (L*W*H)	580×359×127mm	620×450×132mm	620×450×132mm
Net weight (kg)	15.9	23.8	23.8