

MPPT SOLAR INVERTER
AN-FGI-S5000W/6500W/12000W

»» Features

- Pure Sine Wave Solar Inverter;
- Be able to run without battery;
- One-key restoring to factory default settings;
- With function of Lithium battery automatic activation by AC & PV;
- Built-in MPPT solar controller, max charge current 160A;
- Wide PV input voltage range;
- Built-in anti-dusk kit for harsh environment;
- Smart battery charge design to maximize battery lifespan;
- WIFI remote monitoring (optional)
- RGB lights

MODEL	AN-FGI-S5000W	AN-FGI-S6500W	AN-FGI-S12000W
RATED POWER	5000W	6500W	12000W
Phase	1-phase in /1-phase out		
Maximum PV Input Power	9000W	9000W	15000W
AC INPUT			
Acceptable Input Voltage Range	90-280 VAC		
Frequency Range	50 Hz/60 Hz(Auto sensing)		
Rated Input Voltage	220/230/240VAC		
AC OUTPUT			
Nominal Output Voltage	220/230/240VAC		
Power Factor	1PF		
Surge Power	10kVA	12kVA	24kVA
Switch Time (ms)	10 (APP/UPS mode) /20 (GEN mode)		
Wave Form	Pure SineWave		
Maximum Efficiency(Battery Mode)	93.5%24V	94%48V	
PV/AC CHARGER			
MPPT Voltage Range	60-450Vdc		
Number of MPP Trackers/Maximum Input Current	1/27A	1/27A	2/22.5A
Maximum PV Charge Current	160A	120A	160A
Maximum AC Charge Current	160A	120A	160A
Max. Charge Current(PV+AC)	160A	120A	160A
Max PV Open Circuit Voltage	500VDC		
PV Start-up Voltage	60Vdc	80Vdc	
BATTERY			
Nominal DC Voltage	24VDC	48VDC	
Battery Type	Lithium and Lead-acid		
PHYSICAL			
Dimension, D xWx H(mm)	410x336x115	440x355x117	527x435x138
Net Weight (kg)	8.0	8.4	14.5
GENERAL DATA			
HMI	LCD		
Communication Port	RS485/CAN/RS232		
Monitoring	WiFi(Optional)		
IP degree	IP21		
Humidity	5% to 95% (Non~condensing)		
Operating Temperature	-10°C~60°C		
Storage Temperature	-15°C~60°C		
Max. Operating Altitude	4000m (Derating above 1000m)		