

MPPT SOLAR INVERTER AN-FGI-S1.5K/2.5KW/4KW/5KW/6.5KW/12KW



»» **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, FGI-S1500 does not support WiFi);
- RGB lights(FGI-S5000/FGI-S6500/FGI-S12000)

MODEL	FGI-S1500	FGI-S2500	FGI-S4000	FGI-S5000	FGI-S6500	FGI-S12000
RATED POWER	1500W	2500W	4000W	5000W	6500W	12000W
Phase	1-phase in /1-phase out					
Maximum PV Input Power	800W	3000W	5000W	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					
Switch Time (ms)	10 (APP/UPS mode) /20 (GEN mode)					
Wave Form	Pure SineWave					
Surge Power	2. 4kVA	4kVA	7. 2kVA	10kVA	12kVA	24kVA
Maximum Efficiency(Battery Mode)	90%12V	91%12V	92%24V	93. 5%24V	94%48V	94%48V
PV/AC CHARGER						
MPPT Voltage Range	17-115Vdc	30-400Vdc	40-450Vdc	60-450Vdc		
Number of MPP Trackers/Maximum Input Current	1/18A	1/18A	1/18A	1/27A	1/27A	2/22.5A
Maximum PV Charge Current	50A	100A	100A	160A	120A	160A
Maximum AC Charge Current	50A	100A	100A	160A	120A	160A
Max. Charge Current(PV+AC)	100A	100A	100A	160A	120A	160A
Max PV Open Circuit Voltage	115VDC	450VDC	500VDC	500VDC	500VDC	500VDC
PV Start-up Voltage	20Vdc	40Vdc	60Vdc	80Vdc		
BATTERY						
Normal DC Voltage	12VDC	24VDC		48VDC		
Battery Type	Lithium and Lead-acid					
PHYSICAL						
Dimension, D xWx H(mm)	320x227x110	375x290x110	435x285x98	410x336x115	440x355x117	527x435x138
Net Weight (kg)	3. 5	4. 9	5. 6	8. 0	8. 4	14. 5
GENERAL DATA						
HMI	LCD					
Communication Port	RS485/CAN/RS232					
Monitoring	WiFi(Optional) (FGI-S1500 does not support WiFi)					
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)					