Off-Grid Solar Inverter

100W ~ 2400W PF=1 with isolated transformer

VISION

The Vision GF series products are on the basis of green energy use and equipment electricity need for remote area, combining the electricity characteristics of household appliances, communication station equipment and computer peripheral equipment. They have the function of energy conservation and environment protection. they adopt MCU control technique, having various kinds of function such as multi-setting mode, MPPT control, voltagestabilization on line, short-circuit protection, inverter frequency adaptive, output overload, battery charging management, monitoring, etc. GF series products are the ideal power supply delivered with excellent performance, high stability, high reliability and high practical applicability.



Features

- Multi setting
 - *PV priority mode or AC priority mode
 - *Choose the charging current based on the configured
- capacity of the battery
- · High reliability: double MCU digital control
- *Independent MPPT (maximum power point tracking) control microprocessor system
 - *Independent inverter microprocessor control system
- Isolated and pure sine wave technology
- LCD and LED display
- Wide input range
- High speed synchronous conversion
- Friendly alarm system
- Online protection function
- Frequency auto adaptive
- Intelligent no-load auto shutdown technology (optional)
- Intelligent monitoring (RS232, USB, or SNMP card, optional)



100W 12 Vdc 12 - 25 Vdc 15 - 17.8 Vdc ≤ 20 A 5 / 10 / 20 A		≤ 40 A	24 - 45 Vdc 30 - 36 Vdc		1500W ≤ 40 - 60 A		2400W		
12 - 25 Vdc 15 - 17.8 Vdc ≤ 20 A	12-25Vdc (12V),	24-45Vdc (24V) , 30-36Vdc (24V) ≤ 40 A	PV priority, 24 - 45 Vdc 30 - 36 Vdc	/ AC priority 24 - 48 Vdc 30 -60 Vdc ≤ 40 - 60 A A	≤ 40 - 60 A	48 - 90 Vdc 60 - 71 Vdc ≤ 8	0 A		
15 - 17.8 Vdc ≤ 20 A		, 30-36Vdc (24V) ≤ 40 A	24 - 45 Vdc 30 - 36 Vdc	24 - 48 Vdc 30 -60 Vdc ≤ 40 - 60 A	≤ 40 - 60 A	60 - 71 Vdc ≤ 8	0 A		
15 - 17.8 Vdc ≤ 20 A		, 30-36Vdc (24V) ≤ 40 A	30 - 36 Vdc 0 / 20 / 30 / 40	30 -60 Vdc ≤ 40 - 60 A	≤ 40 - 60 A	60 - 71 Vdc ≤ 8	0 A		
15 - 17.8 Vdc ≤ 20 A		, 30-36Vdc (24V) ≤ 40 A	30 - 36 Vdc 0 / 20 / 30 / 40	30 -60 Vdc ≤ 40 - 60 A	≤ 40 - 60 A	60 - 71 Vdc ≤ 8	0 A		
≤ 20 A	15-17.8Vdc (12V)	≤ 40 A) / 20 / 30 / 40	≤ 40 - 60 A A	≤ 40 - 60 A	≤ 8	0 A		
				A	≤ 40 - 60 A		O A		
5 / 10 / 20 A		10				40 40	≤ 80 A		
			≥ 9		10 / 20 / 30 / 40 A 10 / 20 / 30				
				8 %					
			LCD -	+ LED					
		100 / 110 / 120	0 / 220 / 230 /	240VAC ± 25%	(customised)				
45 - 65 Hz (automatically transfer to inverter power when overfrequency)									
100 / 110 / 120 / 220 / 230 / 240VAC ± 10%									
≥ 98 %									
12A max									
≥ 96 %									
110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s transfer to bypass model									
		,,							
		100 /	110 / 120 / 220 ,	/ 230 / 240VAC	± 5%				
50 Hz / 60 Hz ± 1% frequency auto sense									
Linear load ≤ 5%									
5 ms typical value; max 8 ms									
≥ 84.5%									
110% 25	5s transfer to b	ypass model; 1	20% 60s transfe	er to bypass mo	del; 150% 1s tra	ansfer to bypas	s model		
Load < 5%, the system automatically shut down at 1min, transfer to bypass power supply									
Systems automatically shut down									
		1/4s: a	utomatic sound	d elimination aft	er 40s				
5/1s									
1/1s									
RS232 / USB / SNMP (setup available for regular start / shut off)									
		5252 7 032 7 31	ivii (setap ava	nable for regula	starty shat o	,			
			Ont	onal					
			18 7			1	29.3		
							30.6		
	110% 25	315 X 458 X 147 380 X 500 X 193 9.8 11.0	110% 255s transfer to bypass model; 12 100 / 50 Hz 110% 255s transfer to bypass model; 12 110% 255s transfer to bypass model; 12 Load < 5%, the system auton S 1/4s; a RS232 / USB / SN EN62040-2:20 315 X 458 X 147 380 X 500 X 195 9.8 11.0 12.0	≥ 9 12A ≥ 9 110% 255s transfer to bypass model; 120% 60s transfer 100 / 110 / 120 / 220 / 50 Hz / 60 Hz ± 136 / Linear lo 5 ms typical ve ≥ 84 110% 255s transfer to bypass model; 120% 60s transfer Load < 5%, the system automatically shut de Systems automatically shut de Systems automatics sounce 1/4s; automatic sounce 5/ 7/ RS232 / USB / SNMP (setup ava Opti EN62040-2:2006 ; EN61000-1 IP 0°C ~ 10% ~ 90% (no ≤ 5 315 X 458 X 147 380 X 500 X 195 9.8 11.0 12.0 18.7	≥ 98 % 12A max ≥ 96 % 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 120% 60s transfer to bypass model; 100 / 110 / 120 / 220 / 230 / 240VAC 50 Hz / 60 Hz ± 1% frequency auto s Linear load ≤ 5% 5 ms typical value; max 8 ms ≥ 84.5% 110% 255s transfer to bypass model; 120% 60s transfer to bypass model;	≥ 98 % 12A max ≥ 96 % 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s tr Input fuse 100 / 110 / 120 / 220 / 230 / 240VAC ± 5% 50 Hz / 60 Hz ± 1% frequency auto sense Linear load ≤ 5% 5 ms typical value; max 8 ms ≥ 84.5% 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 1s tr Load < 5%, the system automatically shut down at 1min, transfer to bypass Systems automatically shut down 1/4s; automatic sound elimination after 40s 5/1s 1/1s RS232 / USB / SNMP (setup available for regular start / shut or Optional EN62040-2:2006; EN61000-3-2:2006; EN61000-3-3:2008 IP21 0°C ~ 40°C 10% ~ 90% (non-condensed) ≤ 50dB 315 X 458 X 147 380 X 480 X 20 458 X 545 X 27 9.8 11.0 12.0 18.7 19.2 - 19.6 27.6	≥ 98 % 12A max ≥ 96 % 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s transfer to bypass Input fuse 100 / 110 / 120 / 220 / 230 / 240VAC ± 5% 50 Hz / 60 Hz ± 1% frequency auto sense Linear load ≤ 5% 5 ms typical value; max 8 ms ≥ 84.5% 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 1s transfer to bypass Load < 5%, the system automatically shut down at 1min, transfer to bypass power supply Systems automatically shut down 1/4s; automatic sound elimination after 40s 5/1s 1/1s RS232 / USB / SNMP (setup available for regular start / shut off) Optional EN62040-2:2006; EN61000-3-2:2006; EN61000-3-3:2008 IP21 0°C ~ 40°C 10% ~ 90% (non-condensed) ≤ 50dB 315 X 458 X 147 380 X 500 X 195 458 X 545 X 278 9.8 11.0 12.0 18.7 19.2 - 19.6 27.6 29.3		

