Go Green
Solar Power Solutions

GGIV 1P - 12KW MPPT INVERTER

Single Phase

LIFEPO4 BATTERY ACTIVATION

EAST SETUP INSTALLATION

12KW RATED AC OUTPUT

PURE SINE WAVE

WIFI BUILT IN ONBOARD

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SPECIFICATION

PRODUCT MODEL	GGIV 1P - 12KW
AC Input	
Rated Input Voltage (VAC)	208/220/230/240;L+N+PE
Voltage Range (VAC)	90~280+3(normal mode);170~280+3(UPS mode)
Frequency(Hz)	50/60(Auto Adaptive)
AC Output	
Rated Capacity (kVA)	12
Surge Power (kVA)	24
Voltage(VAC)	208/220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10S@>150%Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current /Input Power	Two MPPT: 27A/per MPPT's, 15KW/Total
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC)(A)	120
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD (RGB optional)
Interface	RS232 /RS485 /USB /Dry Contact
Monitoring	Built in WIFI
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ℃~50 ℃
Relative Humidity	5%~95%(Non-condensing)
Storage Temperature	-15 ℃~ 60 ℃
Net Weight (kg)	15.2
Dimensions (W*H*D)	540*425*140 mm
Max.Operating Altitude	4000m (Derating above 1000m)