



# GGIV 3P-14KW

## TRIPLE PHASE HYBRID INVERTER



SUPPORT BATTERY  
CHARGING/DISCHARGING  
ACCORDING TO THE TIME  
SETTING



COLORFUL 7-INCH TOUCH  
LCD, IP65 PROTECTION  
DEGREE



SUPPORT DIFFERENT  
POWER INVERTERS  
PARALLEL CONNECTION



100% UNBALANCED  
OUTPUT EACH PHASE MAX.  
OUTPUT UP TO 5KW



UP TO 20 PCS INVERTERS  
PARALLEL FOR OFF-GRID  
OPERATION



SUPPORT ON/OFF GRID  
MODE SWITCH, EPS  
OUTPUT



INDEPENDENT AC INPUT  
PORT FOR DIESEL  
GENERATOR



SUPPORT STORING  
ENERGY FROM DIESEL  
GENERATOR

PRODUCT MODEL	GGIV 3P-14KW
<b>Battery Input</b>	
Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	40-60
Max. Charge Current (A)	280
Max. Discharge Current (A)	280
Charging Curve	3 Stages/Equalization
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-adaptation to BMS
<b>PV String Input</b>	
Max. DC Input Power (W)	20,000
PV Input Voltage (V)	650 (160~800)
MPPT Range (V)	200~700
Full Load DC Voltage Range (V)	260~650
Start-up Voltage (V)	160
PV Input Current (A)	26+17
Max. PV Isc (A)	34+20
No. of MPPT Trackers	2
No. of Strings per MPPT Trackers	2+1
<b>AC Output</b>	
Rated AC Output and UPS Power (W)	14,000
Max. AC Output Power (W)	15,400
Peak Power (off grid)	1.8 times of rated power, 10s
AC Output Rated Current (A)	21.1/20.3
Max. AC Current (A)	27.6/26.4
Max. Continuous AC Passthrough (A)	50
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage (V)	50/60Hz,380/400Vac(Triple phase)
Grid Type	Three phase
Current Harmonic Distortion	THD<3%(Linear load<1.5%)
<b>Efficiency</b>	
Max. Efficiency	97.90%
Euro Efficiency	96.90%
MPPT Efficiency	99.90%
<b>Protection</b>	
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection
PV ARC Fault Detection	Optional
Output Over Voltage Protection	DC Type II/AC Type III
<b>General Data</b>	
Operating Temperature Range (°C)	-45~60, >45 Derating
Cooling	Smart Cooling
Noise (dB)	≤45
Communication with BMS	CAN, RS485
Weight (kg)	45
Dimensions (mm)	510Wx630Hx290D
Protection Degree	IP65
Installation Style	Wall-mounted