



# GGIV 3P-15KW

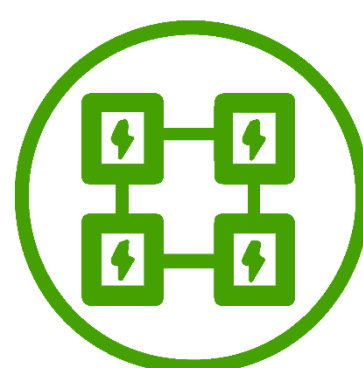
## TRIPLE PHASE HYBRID INVERTER



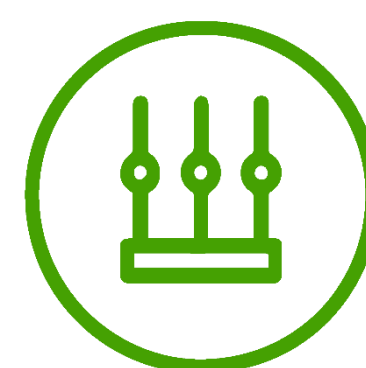
SUPPORT BATTERY  
CHARGING/DISCHARGING  
ACCORDING TO THE TIME  
SETTING



COLORFUL 7-INCH TOUCH  
LCD, IP65 PROTECTION  
DEGREE



SUPPORT DIFFERENT  
POWER INVERTERS  
PARALLEL CONNECTION



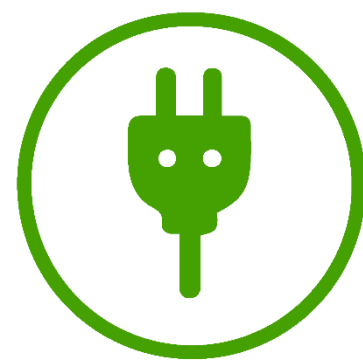
100% UNBALANCED  
OUTPUT EACH PHASE MAX.  
OUTPUT UP TO 5KW



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-15KW                                                                                                                                                                                                                      |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Input                        |                                                                                                                                                                                                                                   |
| Battery Type                         | Lead-acid or Li-Lon                                                                                                                                                                                                               |
| Battery Voltage Range (V)            | 40-60                                                                                                                                                                                                                             |
| Max. Charge Current (A)              | 290                                                                                                                                                                                                                               |
| Max. Discharge Current (A)           | 290                                                                                                                                                                                                                               |
| Charging Curve                       | 3 Stages/Equalization                                                                                                                                                                                                             |
| External Temperature Sensor          | Optional                                                                                                                                                                                                                          |
| Charging Strategy for Li-Ion Battery | Self-adaptation to BMS                                                                                                                                                                                                            |
| PV String Input                      |                                                                                                                                                                                                                                   |
| Max. DC Input Power (W)              | 22,500                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                               |
| AC Output                            |                                                                                                                                                                                                                                   |
| Rated AC Output and UPS Power (W)    | 15,000                                                                                                                                                                                                                            |
| Max. AC Output Power (W)             | 16,500                                                                                                                                                                                                                            |
| 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%)                                                                                                                                                                                                          |
| Efficiency                           |                                                                                                                                                                                                                                   |
| Max. Efficiency                      | 97.90%                                                                                                                                                                                                                            |
| Euro Efficiency                      | 96.90%                                                                                                                                                                                                                            |
| MPPT Efficiency                      | 99.90%                                                                                                                                                                                                                            |
| Protection                           |                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                            |
| General Data                         |                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                      |