



G4K-5K-6K-8K-10K-12K-P3HA Three-Phase High Voltage Hybrid Inverter



Main Features

- Big lcd display.
- Power Export Limitation.
- Three-Phase Unbalanced Output.
- Wi-Fi / GPRS / LAN Communication (optional).

Technical Parameters / Model	G4k-P3HA	G5k-P3HA	G6k-P3HA	G8k-P3HA	G10k-P3HA	G12k-P3HA
Input (DC)						
Max PV Power	6000W	7500W	9000W	12000W	15000W	15000W
Max PV Voltage	1000Vd.c.					
MPPT Voltage Rang	200...850Vd.c.					
Max Input Current/Per String	13A/13A					
Max Input Short Circuit Per MPPT	18A/18A					
Number of MPPT Trackers	2					
Strings Per MPPT Tracker	1					
Battery Input						
Battery Type	Li-Ion					
Battery Voltage Range	130-700V					
Max Charge/Discharge Current	25/25A					
Charge Strategy for Li-ion Battery	Self-Adaptation to BMS					
Output (AC)						
AC Nominal Power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC Apparent Power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max Output Current	8A	10A	12A	15A	17A	20A
Nominal AC Output	50/60Hz;400/350					
AC Output Range	45/55Hz;280~490Vac (Adj)					
Power Factor	0.8 Leading...0.8 Laging					
Harmonics	<3%					
Grid Type	3 W/N/PE					
Three-Phase Unbalance Output	0~100%					0~80%
AC Output (Back-up)						
Max AC Apparent Power	4000VA	5000VA	6000VA	8000VA	10000VA	10000VA
Normal Output Voltage	400/380V					
Normal Output Frequency	50/60HZ					
Output THDV (@Linear Load)	<3%					
Efficiency						
Maximum conversion efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
European efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Max battery to AC Efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection						
DC Reverse-Polarity Protection	yes					
DC Breaker	yes					
DC/AC SPD	yes					
Leakage Current Protection	yes					
Insulation Impedance Detection	yes					
Residual Current Protection	yes					
Output Short Circuit Protection	yes					
Batter Reverse Connection Protection	yes					
General Parameters						
Dimension (W*H*D mm)	516*427*183.5 mm					
Weight	26 kg					
Operating temperature range °C	-25°C...+60°C					
Degree of protection	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%.no condensation					
Communication	Standard WiFi;GPRS/LAN(optional)					
Warranty	Standard 5 years; 7/10 years optional					
BMS communication	CAN/RS485					
Meter Communication	RS485					
Certificates and Approvals	CQC, VDE-AR-N4105, IEC61727, IEC62116, VDE0124-AR-N0124, EN50549, IEC62109, IEC62477					