



## G15K-17K-20K-25k-P3HA Three-Phase High Voltage Hybrid Inverter



### Main Features

- Integration of optical storage, integrating PV storage, supporting a variety of batteries;
- Intelligent switching, support for emergency power, support for three-phase imbalance, and off-grid seamless switching;
- Efficient power generation, DC overmatching capacity of up to 1.5 times;
- Intelligent and friendly, lightweight, easy to install, integrated EMS intelligent energy management system;
- Wide-voltage new upgrade, performance enhancement, input current enhancement, 1.1 times the long-term overload capacity, 1.2 times the 60s overload capacity, 1.5 times the 10s overload capacity;
- Safe and reliable, IP65 protection level, high power quality, no interference with electrical equipment, ultra-low radiation;

Technical Parameters / Model	G15K-P3HA	G17K-P3HA	G20K-P3HA	G25K-P3HA
<b>Photovoltaic parameters</b>				
Maximum Input Power(W)	22500W	25500W	30000W	37500W
Maximum Input Voltage(V)	1000			
MPPT Working Voltage Range/Rated Voltage(V)	180~900/610			
Maximum Input Current(A)	36/36			
Maximum short-circuit current (A)	40/40			
Number of MPPT	2			
Number of MPPT input strings per circuit	2/2			
<b>Battery Parameters</b>				
Battery voltage range(V)	180~700			
Number of battery channels	2			
Maximum charge/discharge current(A)	Single-circuit max 25/25			
Maximum charge/discharge power(W)	15000/15000	17000/17000	20000/20000	25000/25000
Battery type	Li-ion/Lead-acid			
<b>AC Parameters (Grid-connected)</b>				
Rated output power(W)	15000	17000	20000	25000
Maximum apparent output power(VA)	16500	18700	22000	27500
Maximum Input Power(W)	30000			
Rated Voltage(Vac)	380/400V,3L/N/PE			
Rated Frequency(Hz)	50/60			
Maximum Output Current(A)	24	27	32	40
Maximum three-phase unbalanced output current(A)	33	37	43	43
Grid bypass current(A)	50			
Power Factor Range	~1(0.8 overrun~0.8 hysteresis can be set)			
Current Total Harmonic Distortion(@rated power)(%)	< 3			
<b>AC Parameters (Off-grid side)</b>				
Rated output power(W)	15000	17000	20000	25000
Maximum apparent output power (VA)	16500	18700	22000	27500
Rated Output Voltage(Vac)	380/400V,3L/N/PE			
Rated output frequency (Hz)	50/60			
Maximum three-phase unbalanced output current (A)	33	37	43	43
Maximum output single-phase apparent power (VA)	7500	8500	10000	10000
Peak Output Apparent Power(VA)(60s)	18000	20400	24000	/
Peak output apparent power(VA)(10s)	22500	25500	30000	30000
Switching time between grid and off-grid (ms)	< 10			
<b>AC Parameters (Diesel generator)</b>				
Rated voltage(Vac)	380/400V,3L/N/PE			
Rated frequency(Hz)	50/60			
Rated input apparent power(VA)	15000	17000	20000	25000
<b>Efficiency</b>				
Maximum efficiency (%)	98.2			
European efficiency (%)	97.1			
<b>Protection</b>				
DC reverse connection protection	Integration			
Overcurrent protection	Integration			
Anti-islanding protection	Integration			
AC short circuit protection	Integration			
Leakage current protection	Integration			
Insulation resistance detection	Integration			
Surge protection	DC Class II / AC Class III			
<b>Basic Parameters</b>				
Operating temperature range(°C)	-25~60(>45Derating)			
Working altitude(m)	<4000			
Noise index (dB)	<40			
Topology	Transformerless			
Cooling method	Natural Convection			
Protection Grade	IP65			
Relative Humidity Range(%)	0~95, No Condensation			
DC Connector Type	MC/Amphenol/Phoenix			
AC Connector Type	Quick Plug Interface			
Human-computer interaction method	LCD,RS485			
Cloud communication method	RS485(WIFI/4G可选)			
BMS communication method	CAN			
Meter communication method	RS485			
Installation	Wall Mount			
Dimension(W*H*D mm)	505*597*220 mm			
Weight(kg)	40			
<b>Certification Standard</b>				
Safety Standard	IEC62109-1/2			
EMC Standard	EN61000-6-1/-3,IEC61000			
Grid-connected standard	AS4777.2:2020,NRS097-2-1:2017,EN 50549-1 for Czech,VDE-AR-N 4105:2018,EN50549-1:2019+AC:2,G98 G99,VE-R25,EN50549-1:2019 for Poland A&B			