



HYBRID INVERTER

G-H-3.6K-EU

G-H-5.0K-EU



Max. Efficiency
97.6%



High Power
Factor



2 MPPT



RS485/CAN



Six Time of
Use Setting



Internal SPD



Zero Export



High Surge
Endurance



IP65 Ingress
Protection



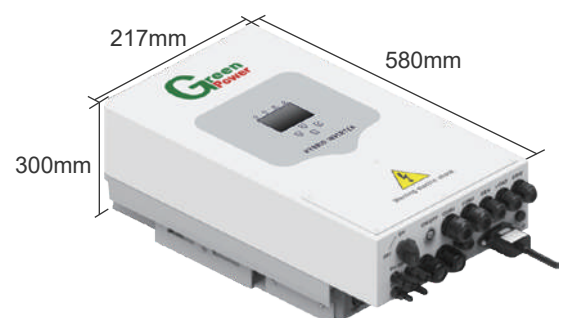
AC Coupled



Support Generator
Connection



Support Multiple
Parallel



Battery Input Data		G-H-3.6 K-EU	G-H-5K-EU
Battery Type	Lead-acid or Li-Ion		
Battery Voltage Range (V)	40~60V		
Max.Charging Current (A)	90A	125A	
Max.Discharging Current (A)	90A	125A	
Charging Curve	3 Stages/Equalization	3 Stages/Equalization	
External Temperature Sensor	Optional	Optional	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS	

PV String Input Data			
Max. DC Input Power	4680W	6500W	
PV Input Voltage (V)	370V (100V~500V)	370V (100V~500V)	
MPPT Range (V)	125V-425V	125V-425V	
Start-up Voltage (V)	125V	125V	
PV Input Current (A)	11A+11A	11A+11A	
No.of MPPT Trackers	2	2	
No.of Strings Per MPPT Trackers	1/1	1/1	

AC Output Data			
Rated AC Output and UPS Power (W)	3600W	5000W	
Peak Power (off grid)	2 times of rated power,10S		
AC Output Rated Current (A)	15.7A	21.7A	
Output Frequency and Voltage	50/60Hz; 220Vac/230Vac/240Vac (Single phase)		

Protection			
PV Arc Fault Detection	Integrated		
PV Input Lightning Protection	Integrated		
Anti-islanding Protection	Integrated		
PV String Input Reverse Polarity Protection	Integrated		
Insulation Resistor Detection	Integrated		
Residual Current Monitoring Unit	Integrated		
Output Over Current Protection	Integrated		
Output Shorted Protection	Integrated		
Output Over Voltage Protection	Integrated		

Certifications and Standards			
Grid Regulation	VDE- ARN4105,VDE0126,AS4777,NRS2017,G98,G99,EN50438		
Safety Regulation	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3		

General Data			
Operating Temperature Range (°C)	-25~60°C, >45°C Derating		
Cooling	Fan		
Noise (dB)	< 30		
Communication with BMS	RS485;CAN		
Weight (kg)	20.5KG		
Size (Length*Width*Height mm)	580×330×217mm		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 years		