

SINGLE PHASE AC COUPLED INVERTER

GS 5KAC



HIGH YIELD

- Max Charge/Discharge efficiency 95%
- Convenient to retrofit existing grid-connected systems increase the proportion of spontaneous use



HIGH RELIABILITY

- With BMS system to ensure high battery life
- Natural cooling design



INTELLIGENT MAINTENANCE

- Compatible with lead-acid batteries and lithium battery energy storage systems
- Remote configuration and upgrade

Model	GS 5KAC
Efficiency	
Max. Efficiency	95%
Input (Battery)	
Battery Type	Lithium-ion / Lead-Acid
Nominal Battery Voltage	48V
Battery Voltage Range	42-60V
Max. Charge / Discharge Current	100A
Lithium-ion Battery Charge Curve	Self-adaption to BMS
Lead-Acid Battery Charge Curve	3 stages
Output (Grid)	
Rated AC Active Power	5000W
Max.Ac Active power	5500W
Rated AC Voltage	230V
Max. AC Current Output to Utility Grid (A)	23.8A
AC Voltage Range ^①	180V-275V (Adjustable)
Rated Grid Frequency	50Hz / 60Hz
Grid Frequency Range ^②	55Hz-65Hz (Adjustable)
THDI	<3% (Rated Power)
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading – 0.8Lagging)
Output (EPS)	
Nominal Output Power	5000VA
Nominal Output Voltage	230V
Nominal Output Frequency	50Hz / 60Hz
THDV	<3% @100% R Load
Switching Time (Typical)	10ms
Protection	
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
Insulation detection	Support
Leakage current protection	Support
General	
Topology	High Frequency Isolation
IP Rating	IP65
Cooling	Natural cooling
Operating Temperature Range	-25°C-60°C
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Noise(Typical)	<30dB
Dimensions (W*H*D)	515*500*175mm
Weight	28Kg
HMI & COM	
Display	LED&APP
Communication	RS485, CAN, WIFI / GPRS / 4G (optional)
Certification	
Safety	IEC62477-1, IEC62040-1
Grid Code	AS / NZS 4777.2, IEC 61727 / 62116, VDE4105-AR-N, EN 50549
Warranty	5 Years / 10 Years (Optional)

Remarks : • ^{①②}T he range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.