

# GSL ENERGY

Much More Than Grade A

## Smart Energy Storage System



Safety

LFP Battery, stable and safe module, pack, system, triple protection;  
IP65, outdoor installation, away from living room;



Simple

Modular design, single person can carry and install it;  
Plug and play, 30 min quick installation;  
Space saving; 0.15 sq. m foot print;



Intercon-  
nection

Global cloud platform & Mobile APP anytime and any where;  
Open API, support power internet applications;

5K10

Powered by Solar

# GSL-AIO-5K10

## Energy Storage System

Inverter Module	GSL-AIO-5K10
<b>Battery Parameter</b>	
Battery Type	LFP
Battery Energy	10.24kWh
Number of Batteries	1
Battery Voltage	51.2V
Voltage Range	42V ~ 60V
Max. Charging / Discharging Current	100A
Option	16PCS parallel supported ( max 160kWh)
<b>Off-grid Output</b>	
Nominal Output Power	5000W
Nominal Voltage	220V/230V/240V
Nominal Frequency	50/60Hz
Nominal Output Current	22.7A
Nominal Output THDu	<2%
<b>On-grid Parameter</b>	
Nominal Output Power	6000W
Max. Input Current	27.5A
Nominal Grid Voltage	220V
Output Current from Grid	27.2A
Input Voltage Range	184-264V
Nominal Frequency	45-65Hz
<b>PV Input</b>	
Max. Input Power	8000Wp
Starting Voltage	75V
Max. Input Voltage	600V
MPPT Operating Voltage Range	80-550V
Full Load MPPT Operating Voltage Range	300-500V
Number of MPPTs	2
Nominal Input Voltage	360V
Max. Input Current	13A/13A
<b>Efficiency</b>	
Max. Efficiency	98.00%
European Efficiency	97.50%
Max. Battery Charging Efficiency	94.60%
Max. Battery Discharging Efficiency	94.60%
<b>General Data</b>	
Dimension (W*D*H)	560*198*1536mm
Weight	124.5kg
Noise	<25dB(A)
Operating Temperature Range	-25°C~+60°C
Cooling Method	Natural cooling
Ingress Protection Grade	IP65
Display	H5/LED/App
Communication Port	RS485/CAN
Protection	PV Insulation Resistance Detection, Residual Current Monitoring, Anti-islanding Protection, PV ReversePolarityProtection, AC Overcurrent Protection, AC Short Circuit Protection, AC Overvoltage Protection, Surge Protection.
<b>Inverter Certification</b>	
CE_LVD	IEC 62109-1:2010, IEC 62109-2:2011, EN 62109-1:2010, EN 62109-2:2011
CE EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Grid	VDE-AR-N 4105, VDE V 0126-1-1, G98/G99, CEI 0-21, EN50549, RD 1699, NRS 097-2-1, AS 4777.2, R25
<b>Battery Certification</b>	
IEC62619, CE-EMC, UN38.3, MSDS	