

GSL ENERGY

Much More Than Grade A

Smart Energy Storage System



5K20



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;

Powered by Solar

GSL-AIO-5K20

Energy Storage System

Inverter Module	GSL-AIO-5K20
Battery Parameter	
Battery Type	LFP
Battery Energy	20.48kWh
Number of Batteries	2
Battery Voltage	51.2V
Voltage Range	42V ~ 60V
Max. Charging / Discharging Current	100A
Option	16PCS parallel supported (max 160kWh)
Dimension (W*D*H)	560*180*920mm *2
Weight	200kg
Off-grid Output	
Nominal Output Power	5000W
Nominal Voltage	220V/230V/240V
Nominal Frequency	50/60Hz
Nominal Output Current	22.7A
Nominal Output THDu	<2%
On-grid Parameter	
Nominal Output Power	6000W
Max. Input Current	27.2A
Nominal Grid Voltage	220V/230V/240V
Output Current from Grid	27.2A
Input Voltage Range	184-276V
Nominal Frequency	45-65Hz
PV Input	
Max. Input Power	7500Wp
Starting Voltage	95V
Max. Input Voltage	600V
MPPT Operating Voltage Range	80-550V
Full Load MPPT Operating Voltage Range	350-500V
Number of MPPTs	2
Max. Input String Per MPPT	1
Nominal Input Voltage	360V
Max. Input Current	18A/18A
Efficiency	
Max. Efficiency	98.00%
European Efficiency	97.50%
Max. Battery Charging/Discharging Efficiency	95.20%
General Data	
Dimension (W*D*H)	1200*180*1510mm
Weight	228kg
Noise	<25dB(A)
Operating Temperature Range	-20°C~+55°C
Cooling Method	Natural cooling
Ingress Protection Grade	IP65
Monitoring	LED/APP/WIFI/4G/Bluetooth
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port
Protection	DC Switch, PV Insulation Resistance Detection, Residual Current Monitoring, Anti-islanding Protection, Reverse Polarity Protection(PV&Battery) AC Short Circuit Protection, AC Overcurrent Protection, AC Overvoltage Protection:LEVEL III;PV&Battery:LEVEL II, Surge Protection, Lightning Protection:TYPE II
Inverter Certification	
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2
CE EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, NRS 097-2-1, AS 4777.2, R25,UNE217001,UNE217002,NTS 2.1
Battery Certification	
	IEC62619, CE-EMC, UN38.3, MSDS