

GIWA Energy Storage H

5KWh / 10KWh / 15KWh / 20KWh



BATTERY SELECTION

- Battery pack capacity selection according to household power consumption
- 5KWh, 10KWh, 15KWh, 20KWh is available
- Compatible with various 3KW-6KW hybrid inverters

PRODUCT CHARACTERISTICS

- Reliable automotive-grade LiFePO4 aluminum shell battery powered by CATL
- Extremely cycle resistant-over 6000 cycles at 95%+DOD
- Lifetime over 10 years
- Scalable and expandable modular battery pack design
- Build-in BMS maintaining system stability
- Easy installation thanks to modular design

GIWA STORAGE C ENERGY STORAGE BATTERY PACK DATASHEET

No.	Item	Specification			
1	Battery Pack Model	51100A	51200A	51300A	51400A
2	Battery Pack Specification	LFP105- 16S- 1P	LFP105- 16S-2P	LFP105- 16S-3P	LFP105- 16S-4P
3	Nominal Capacity	5.3 kWh	10.6 kWh	15.9 kWh	21.2 kWh
4	Nominal Voltage	51.2V	51.2V	51.2V	51.2V
5	Maximum Charging Voltage	58.4V	58.4V	58.4V	58.4V
6	Discharge Termination Voltage	40V	40V	40V	40V
7	Maximum Charging and Discharging Current	100A	100A	100A	100A
8	Continuous Charge and Discharging Current	80A	80A	80A	80A
	Operating Temperature Range				
9	Charge	0°C~55°C	0°C~55°C	0°C~55°C	0°C~55°C
	Discharge	-30°C~55°C	-30°C~55°C	-30°C~55°C	-30°C~55°C
10	Optimum Operating Temperature Range	15°C~35°C	15°C~35°C	15°C~35°C	15°C~35°C
	Transport and Storage Temperature Range				
11	Within A Month	-40°C~45 °C	-40°C~45 °C	-40°C~45 °C	-40°C~45 °C
	Within 6 Months	-20°C~35 °C	-20°C~35 °C	-20°C~35 °C	-20°C~35 °C
	Operating Environment Temperature and Humidity Range				
12	Temperature	-30°C~55°C	-30°C~55°C	-30°C~55°C	-30°C~55°C
	Humidity	<65%RH (Condensation free)	<65%RH (Condensation free)	<65%RH (Condensation free)	<65%RH (Condensation free)
13	Energy Conversion Efficiency	0.95	0.95	0.95	0.95
14	Size (WxLxH)	(654 x 322 x 505) mm	(654 x 322 x 750) mm	(654 x 322 x 995) mm	(654 x 322 x 1240) mm
15	Weight	(62±5) kg	(105±5) kg	(148±5) kg	(191±5) kg
16	BMS	Included	Included	Included	Included
17	Battery Equalization System	Passive equalization	Passive equalization	Passive equalization	Passive equalization
18	Communication Mode	RS485/Ethernet/CAN2.0	RS485/Ethernet/CAN2.0	RS485/Ethernet/CAN2.0	RS485/Ethernet/CAN2.0
19	Cooling Mode	Natural cooling	Natural cooling	Natural cooling	Natural cooling
20	Protection Class	IP54	IP54	IP54	IP54
21	Lifecycle	10 Y or 6000 cycles	10 Y or 6000 cycles	10 Y or 6000 cycles	10 Y or 6000 cycles