

GYS 5KWH-D

户用低压 储能电池

Microgrid all-in-one
inverter/controller



- 支持最多15台并行运行，满足大规模储能需求。
- 灵活扩展，便于安装、维护和升级。
- 多重保护机制，确保系统稳定可靠。
- 优化充放电策略，提高系统效率，降低损耗。
- 系统设计简洁直观，无需远程监控，即可轻松管理和维护。
- Supports parallel operation of up to 15 units to meet large-scale energy storage needs.
- Flexible expansion – easy to install, maintain, and upgrade.
- Multiple protection mechanisms ensure system stability and reliability.
- Optimized charge/discharge strategy – improves system efficiency and reduces losses.
- Simple and intuitive system design – easy management and maintenance without remote monitoring.

产品规格	Product Specifications	GYS 5KWH-D
电池参数	Battery Parameters	
电芯	Cell	LIFEPO4
电池能量	Battery Energy	5120WH
标准容量	Nominal Capacity	100AH
放电深度	Depth of Discharge (DoD)	80.0%
额定电压	Nominal Voltage	51.2V
电压范围	Voltage Range	44.8VDC-57.6VDC
额定充电/放电电流	Rated Charge / Discharge Current	50A
最大充电/放电电流	Max Charge / Discharge Current	100A
尺寸	Dimensions	480*465*152MM
重量	Weight	48KG
安装	Mounting / Installation	WALL-MOUNTED/FLOOR-STANDING
充电温度	Charging Temperature	0~55°C
放电温度	Discharging Temperature	-20°C~+60°C
保护等级	Protection Class	IP22
并联数量	Number of Parallel Cells	UP TO 16
通讯接口	Communication Interface	RS485,CAN
环境湿度	Ambient Humidity	5%~95%
操作高度	Operating Altitude	2000M
充电循环寿命	Charge Cycle Life	6000@80%DOD,25°C,0.5C
认证	Certifications	IEC,UN38.3,MSDS

GYS 5KWH-L | GYS 10KWH-L GYS 15KWH-L

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- 壁挂式设计使电池紧贴墙面安装，节省地面空间适合小型住宅和城市公寓。
- 支持最多15台并行运行，可根据需求灵活增加系统容量，满足不同规模的储能需求。
- 内置多重保护机制，包括过热、过充和短路保护确保系统运行稳定，延长电池寿命。
- 采用低压输出设计，提升能量转换效率，降低系统损耗，提高整体性能。
- 壁挂式设计使得储能电池安装简便，不占用地面空间，适用于各种家庭环境。
- The wall-mounted design allows the battery to be installed flush against the wall, saving floor space and making it suitable for small homes and urban apartments.
- Supports parallel operation of up to 15 units, enabling flexible system capacity expansion according to needs to meet energy storage requirements of various scales.
- Built-in multiple protection mechanisms, including over-temperature, over-charge, and short-circuit protection, ensuring stable system operation and extending battery life.
- Adopts a low-voltage output design, improving energy conversion efficiency, reducing system losses, and enhancing overall performance.
- The wall-mounted design makes the energy storage battery easy to install, takes up no floor space, and is suitable for a variety of home environments.

产品规格	Product Specifications	GYS 5KWH-L	GYS 10KWH-L	GYS 15KWH-L
电池参数	Battery Parameters			
电芯	Cell	LIFEPO4	LIFEPO4	LIFEPO4
电池能量	Battery Energy	5120WH	10240WH	14336WH
标准容量	Nominal Capacity	100AH	200AH	280AH
放电深度	Depth of Discharge (DoD)	80.0%		
额定电压	Nominal Voltage	51.2V		
电压范围	Voltage Range	44.8VDC-57.6VDC		
额定充电/放电电流	Rated Charge / Discharge Current	50A	100A	100A
最大充电/放电电流	Max Charge / Discharge Current	100A	150A	200A
尺寸	Dimensions	480*465*152MM	450*246.5*700MM	450*246*844MM
重量	Weight	48KG	92KG	120KG
安装	Mounting / Installation	WALL-MOUNTED/FLOOR-STANDING		
充电温度	Charging Temperature	0~55°C		
放电温度	Discharging Temperature	-20°C~60°C		
保护等级	Protection Class	IP54		
并联数量	Number of Parallel Cells	UP TO 15		
通讯接口	Communication Interface	RS485,CAN		
环境湿度	Ambient Humidity	5%~95%		
操作高度	Operating Altitude	2000M		
充电循环寿命	Charge Cycle Life	6000@80%DOD,25°C,0.5C		
认证	Certifications	IEC,UN38.3,MSDS		