



GYS 3312K-15/30KWH

三相光储 逆控一体机

Three-phase all-in-one PV-storage inverter/controller



LFP(LiFePO₄)电芯
LFP(LiFePO₄) cell



电气隔离
Galvanic isolation



外短路防护
External short-circuit protection

储能可与光伏组件配套使用，利用太阳能为自己充电。当电网发生故障停电时，自动切换为备用电源，利用储存的电力持续为照明系统、电气设备等提供稳定可靠的电力支持，维护成本低，能源消耗少，环境噪音小。

Energy storage can be used in conjunction with PV modules to charge itself using solar energy. When a grid fault or power outage occurs, it automatically switches to backup power, utilizing the stored electricity to continuously provide stable and reliable power support for lighting systems, electrical equipment, etc. It features low maintenance costs, low energy consumption, and low environmental noise.

- 较宽光伏范围
- 带CT防夹回流
- 较宽市电输入范围
- USB/RS485/干式控制通信
- 支持WiFi+APP监控
- 支持锂电池BMS通讯支持并联
- Wide photovoltaic (PV) input range
- CT-based anti-backflow protection
- Wide grid (AC) input range
- USB / RS485 / dry contact communication
- Supports WiFi + APP monitoring
- Supports lithium battery BMS communication and parallel connection



产品规格	Product Specifications	GYS 3312K-15KWH	GYS 3312K-30KWH
输出并网	Grid-tied		
峰值功率	Peak power		13200VA
额定输出电压	Rated output voltage		380/400
额定输出频率	Rated output frequency		V50/60Hz
最大输出电流	Maximum output current		20A
功率因数	Power factor		1(0.8 leading-0.8lagging)
输出离网	Off-grid		
额定输出功率	Rated output power		12000W
过载保护(W)	Overload protection (W)		>200%,15sec
额定输出电压	Rated output voltage		380/400V
额定输出频率	Rated output frequency		50/60Hz
额定输出电流	Rated output current		20A
储能电池	Energy storage battery		
电池类型	Battery type		LiFePO ₄
电池标称电压	Battery nominal voltage		51.2Vdc
电池容量	Battery capacity	15360Wh	15360Wh*2
最大充/放电电流	Max charge/discharge current		250A
最大充/放电功率	Max charge/discharge power		12000W
充电温度	Charging temperature		0-55°C
放电温度	Discharging temperature		-20°C to 55°C
光伏侧	PV side		
最大光伏输入功率	Maximum PV input power		24KW
最大光伏输入电压	Maximum PV input voltage		1000V
MPPT电压输入范围	MPPT voltage input range		200-800V
启动电压	Startup voltage		150V
最大输入电流	Maximum input current		36A/18A
MPPT数量	Number of MPPT		2
效率	Efficiency		
光伏最大效率	Maximum PV efficiency		98%
电池最大效率	Maximum battery efficiency		94.5%
保护功能	Protection functions		
光伏反极性保护	PV reverse polarity protection		有 YES
光伏绝缘电阻检测	PV insulation resistance detection		有 YES
剩余电流检测	Residual current detection		有 YES
出过流保护	Output overcurrent protection		有 YES
输出短路保护	Output short circuit protection		有 YES
输出过压保护	Output overvoltage protection		有 YES
一般数据	General data		
运行温度	Operating temperature		-25-60°C(derating above 45°C)
相对湿度	Relative humidity		0-95%
工作高度	Operating altitude		≤4000m(derating above 2000m)
冷却方式	Cooling method		Intelligent Forced Air Cooling
噪声	Noise		<55dB
防护等级	Protection rating		IP21
选配功能	Optional functions		
并网	Parallel operation		<input type="checkbox"/> YES <input type="checkbox"/> NO
Wi-Fi	Wi-Fi		<input type="checkbox"/> YES <input type="checkbox"/> NO
电网防逆流装置CT	Grid anti-reverse current device CT		<input type="checkbox"/> YES <input type="checkbox"/> NO