



GYS 3315K-15/30/45KWH

# 三相光储 逆控一体机

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



LFP(LiFePO)电芯  
LFP(LiFePO) 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，利用太阳能为自身充电。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 3315K-15KWH	GYS 3315K-30KWH	GYS 3315K-45KWH
<b>输出并网</b>	Grid-tied			
峰值功率	Peak power		16500VA	
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		25A	
功率因数	Power factor		1(0.8 leading-0.8lagging)	
<b>输出离网</b>	Off-grid			
额定输出功率	Rated output power		15000W	
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		24A	
<b>储能电池</b>	Energy storage battery			
电池类型	Battery type		LIFePO4	
电池标称电压	Battery nominal voltage		51.2Vdc	
电池容量	Battery capacity	15360Wh	15360Wh*2	15360Wh*3
最大充/放电电流	Max charge/discharge current		300A	
最大充/放电功率	Max charge/discharge power		15000W	
充电温度	Charging temperature		0-55°C	
放电温度	Discharging temperature		-20°C to 55°C	
<b>光伏侧</b>	PV side			
最大光伏输入功率	Maximum PV input power		30KW	
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	
<b>效率</b>	Efficiency			
光伏最大效率	Maximum PV efficiency		98%	
电池最大效率	Maximum battery efficiency		94.5%	
<b>保护功能</b>	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	
<b>一般数据</b>	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	
<b>选配功能</b>	Optional functions			
并机	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	