



GYS 3.2K-3.8KWH  
GYS 5K-5/10KWH

# 光储逆控一体机

All-in-One Hybrid Inverter



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.

- 内置MPPT太阳能充电控制器
- 宽范围PV输入
- 较宽市电输入范围90~280VAC
- 市电输出电压220V/230V/240VAC
- 具备防尘网应对恶劣环境
- 选配WiFi模块-手机APP监控
- 支持锂电池BMS通讯
- Built-in MPPT solar charge controller
- Wide PV input range
- Wide PV input range
- Grid output voltage: 220V/230V/240VAC
- Equipped with dust filter for harsh environments
- Optional WiFi module for mobile APP monitoring
- Supports Li-ion battery BMS communication



产品规格	Product Specifications	GYS 3.2K-3.8KWH	GYS 5K-5KWH	GYS 5K-10KWH
<b>市电输入</b>	Grid Input			
标称电压	Nominal Voltage	220/230/240Vac(L+N+PE)		
市电输入范围	Grid Input Range	170-280VAC (UPS mode) ; 90-280VAC (APL mode)		
频率	Frequency	50Hz/60Hz (Auto detection)		
<b>并网运行</b>	Grid-connected Operation			
输出电压	Output Voltage	220/230/240Vac(L+N+PE)		
电网电压范围	Grid Voltage Range	195-253VAC		
电网频率范围	Grid Frequency Range	49-51±1Hz/59-61±1Hz		
功率因素范围	Power Factor Range	>0.99		
最大转换效率	Max. Conversion Efficiency	98%		
<b>逆变器模式</b>	Inverter Mode			
输出电压	Output Voltage	220/230/240Vac(L+N+PE) ±5%		
额定输出频率	Rated Output Frequency	50/60Hz±0.2%		
输出波形	Output Waveform	Pure sine wave		
额定输出功率	Rated Output Power	3000W	5000W	5000W
峰值功率	Peak Power	6000VA	10000VA	10000VA
峰值效率(PV to INV)	Peak Efficiency (PV to INV)	98%		
峰值效率(BATT to INV)	Peak Efficiency (BATT to INV)	94%		
过载保护	Overload Protection	110~150%, 11s/≥150%, 2s		
波峰因数	Crest Factor	3:1		
<b>储能电池</b>	Energy Storage Battery			
电池类型	Battery Type	LiFePO4	LiFePO4	LiFePO4
电池容量(Wh)	Battery Capacity (Wh)	3840Wh	5120Wh	10240Wh
电池标称电压	Battery Nominal Voltage	25.6Vdc	51.2Vdc	51.2Vdc
恒定充电电压	Constant Charging Voltage	28.2Vdc	56.4Vdc	56.4Vdc
市电最大充电电流	Grid Max Charging Current	60A	120A	120A
光伏最大充电电流	PV Max Charging Current	100A	150A	150A
充电温度范围	Charging Temperature Range	0~55°C	0~55°C	0~55°C
放电温度范围	Discharging Temperature Range	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
<b>光伏侧</b>	PV Side			
MPPT数量	Number of MPPTs	1	1	1
MPPT电压输入范围	MPPT Voltage Input Range	60~500Vdc	90~500Vdc	90~500Vdc
PV最大保护电压	PV Max Protection Voltage	500Vdc	500Vdc	500Vdc
PV最大接入功率	PV Max Input Power	5000W	8000W	8000W
PV最大输入电流	PV Max Input Current	18A	25A	25A
<b>一般数据</b>	General Data			
运行温度	Operating Temperature	10°C to 50°C		
相对湿度	Relative Humidity	5% to 95% (Conformal coating protection)		
防护等级	Protection Grade	IP21		
冷却方法	Cooling Method	Forced air cooling,variable speed of fan		
通讯接口	Communication Interface	USB/RS485(Wi-Fi/4G)/Dry contact control		
产品尺寸(mm)	Product Dimensions (mm)	620/300/780	630/300/1160	670/350/1320
包装尺寸(mm)	Packaging Dimensions (mm)	700/380/940	700/380/1320	750/430/1540
重量(kg)	Weight (kg)	70	100	145
<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	Grid Anti-reverse Current Device CT	<input type="checkbox"/> YES <input type="checkbox"/> NO		