

# XTRA POWER LF SERIES XTLFH1-6KW



## 功能 FUNCTIONS

- inverter efficiency is more than 85%  
逆变器效率达到85%以上
- New design, adapt to wide and narrow voltage, automatically recognize frequency  
全新外观设计,适应宽、窄电压,可自动识别频率
- Full touch screen LED color display, inverter function can be selected according to customer's use  
全触屏LED彩色显示,可根据客户用途选择逆变器功能
- 3 working modes are available: mains priority, inverter priority, energy saving mode  
3种工作模式可选:市电优先,逆变优先,节能模式
- More than 3 times the peak starting power, excellent load capacity  
峰值启动功率3倍以上,带载能力卓越
- Smart fan (automatically adjust fan speed according to internal temperature)  
智能风扇(根据内部温度,自动调节风扇转速)
- Power frequency technology, pure sine wave AC output, adapt to load capacity, no-load current is smaller, more energy-saving  
采用工频技术,纯正弦波交流输出,适应负载能力强,空载电流更小,更节能
- Built-in AC 3-stage charging module, which can automatically adjust the charging current according to battery capacity and actual use (5A-30A)  
内置交流3段式充电模块,可根据电池容量和实际使用情况自动调整充电电流(5A-30A)
- It has complete battery undervoltage, overload, short circuit protection and other comprehensive protection, safe and reliable  
具有完善的电池欠压、过载、短路保护功能等全方位保护,安全可靠

## 1000W-6000W

Model (型号)	XTLFH -1000	XTLFH -1500	XTLFH -2000	XTLFH -3000	XTLFH -4000	XTLFH -5000	XTLFH -6000
Rated Power (额定功率)	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Peak Power (峰值功率)	2800W	3800W	5KW	9KW	12KW	15KW	18KW
Battery Voltage (电池电压)	12Vdc	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc
Working Mode (工作模式)	PV(Photovoltaic priority) / AC (AC priority) optional (太阳能/市电优先模式可选)						
PV & controller (太阳能控制器)							
Max. Charge Current (控制器最大充电电流)	30A	40A	40A	50A	50A	50A	60A
Max. PV input Voltage (控制器最大输入电压)	70~200V						
No Load current(空载电流)	≤ 5mA						
Over charge protection(高压保护)	17V (12V); 34V (24V); 70V(48V)						
Low voltage (低压保护)	10.2V (12V); 20.5V (24V); 41V(48V)						
Charging mode (充电模式)	Constant current (MPPT), constant Voltage, floating charge恒流、恒压、浮充						
Charging recovery(恢复充电电压)	13.6V/27.5V/56V						
Working temperature(工作温度)	0°C ~ 40°C						
Max. Conversion Efficiency (最大转换效率)	98%						
Display (显示)	Full touch screen LED color display						
Input Voltage Range (输入电池电压范围)	140Vac~275Vac						
Input Frequency Range (频率范围)	45-65 Hz (automatically transfer to invert mode when overfrequency)						
Output Voltage Range (输出电压范围)	190Vac~245Vac						
Input PF. (AC/DC) 输入功率因素	0.95						
Efficiency (效率)	mains mode ≥ 86%						
Charge Current (充电电流)	10A-30A						
Mains Overload (市电过载)	warning until decrease load (报警提示, 减少负载后恢复正常)						
Short Circuit (短路保护)	yes						
Inverter Output (逆变输出)	220V±3%						
Inverter Output Voltage (输出电压精度)	50 Hz / 60Hz ± 0.3Hz frequency adaptive						
Output Frequency (输出频率)	≥ 0.8						
Output Power Factor (功率因素)	linear load ≤ 3%						
Wave Form Distortion (失真度)	4Ms typical value Max.6 Ms						
PV-AC Transfer Time (切换时间)	invert mode ≥ 85%						
Efficiency (逆变效率)	110%-130% shutdown at 30s, 130%-150% shutdown at 3s						
Inverter Overload (逆变过载)	system automatically shut down (系统自动关闭)						
Short Circuit (短路保护)	yes						
Alarm (警示)							
Mains Abnormal (市电异常)	1time/1S, auto silence after 5S (1次/1秒, 5秒后自动静音)						
Low Battery (电池低压)	1time/1S and flash battery last grid (1次/1S和电池续航时间)						
Overload (过载)	1time/1S and display "overload" grid (1次/1秒, 并显示“过载”网格)						
Others (其他)							
Output Sockets (输出插座)	universal sockets / customized (万能插/客户可选定制)						
Surge Protection (保护功能)	optional (可根据客户要求选择增加保护)						
Ambient Temperature (环境温度)	0°C ~ 40°C						
Ambient Humidity (环境湿度)	10% ~ 90%(non condensed) (10%~90% (非凝结))						
Noise (噪音)	≤ 50dB						