

# HYBRID OFF GRID INVERTER

## XTLFH4000-6000 PRO



**1** Rated power 4KW/6KW  
with low frequency transformer, stronger for sensitive load

**2** Built-in 250VDC MPPT solar charge controller Max. 300Vdc  
High conversion efficiency up to 93.5%

**3** WiFi/GPRS remote monitoring  
Lithium battery communication plug and play

**4** Parallel operation up to 6 units



### LF SERIES HYBRID OFF GRID INVERTER

Model No.	XTLFH4000-PRO	XTLFH6000-PRO
<b>Inverter AC Output</b>		
Output power (continuous) up to 40°C	4000 W / 4000 VA	6000 W / 6000 VA
Overload 15 min / 30s - 60s at 25°C	5000 W / 6000 W	7500 W / 9000 W
Surge rating for 10s	35 A	52 A
Maximum output current 30s - 60s (rms)	26 A	39 A
Output current (continuous) at 40°C	17.4 A	26.1 A
Output frequency	50/60 Hz (±0.3 Hz)	50/60 Hz (±0.3 Hz)
Output voltage	L-N: 230 V +/- 10%	L-N: 230 V +/- 10%
Output voltage waveform	Sinewave	Sinewave
Idle consumption	<25 W	<25 W
Input DC voltage range	40 V - 64 V (48 V nominal)	40 V - 64 V (48 V nominal)
Maximum input DC current	125 A	188 A
Motor load*	Up to 3HP	Up to 4HP
Scalability	Up to 6 inverters in parallel, 1-Ph, 230 V	Up to 6 inverters in parallel, 1-Ph, 230 V
<b>MPPT Charger DC Output</b>		
Maximum output charge current	60 A	60 A
Maximum output power	3000 W	3000 W
Output charge voltage range	40 V - 62.8 V (48 V nominal)	40 V - 62.8 V (48 V nominal)
Charge control	Three stage (Lead) and two stage (LFP)	Three stage (Lead) and two stage (LFP)
Compatible battery types	Flooded, Gel, AGM, LiFePo4	Flooded, Gel, AGM, LiFePo4
PV input voltage range (Vmp)	80 V - 230 V DC	80 V - 230 V DC
Max PV array open circuit voltage (Voc)	250 V DC	250 V DC
Max PV withstanding voltage	300 V DC	300 V DC
PV Input maximum Power (Wp)	3200 W	3200 W
Tracking efficiency	99%	99%
<b>AC Charger DC Output</b>		
Maximum output charge current	35 A	50 A
Output charge voltage range	40 V - 62.8 V (48 V nominal)	40 V - 62.8 V (48 V nominal)
Charge control	Three stage (Lead) and two stage (LFP)	Three stage (Lead) and two stage (LFP)
<b>AC Input</b>		
AC input voltage range	L-N: 165 - 265 V	
Frequency	50 Hz/ 60 Hz (Auto detection)	
<b>General Data</b>		
Operating Temperature Range (°C)	-15 °C to 40 °C	
Relative Humidity (%)	5% to 95% RH	
Operating Altitude (m)	< = 2000m	
Cooling	Smart Air Cooling	
Weight (kg)	28Kgs	31Kgs
Size (W/H/D) (mm)	563.5 x 264 x 183.3	608.5 x 264 x 183
Installation	Wallmount	
Protection Degree	IP20	
<b>Standards</b>		
Safety Certification	IEC 62109-1, IEC 62109-2	
EMC	IEC 62040-2	