

# HYBRID OFF GRID INVERTER

## XTLFH4000-6000 PRO

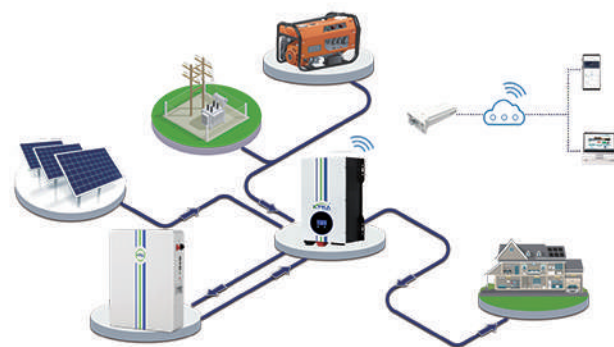


1 Rated power 4KW/6KW  
With low frequency transformer, stronger for sensitive load

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



### XTRA POWER LF SERIES HYBRID OFF GRID INVERTER

| Model No.                              | XTLFH4000-PRO                              | XTLFH6000-PRO                              |
|----------------------------------------|--------------------------------------------|--------------------------------------------|
| Inverter AC Output                     |                                            |                                            |
| 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 |

### MPPT Charger DC Output

|                                         |                                        |                                        |
|-----------------------------------------|----------------------------------------|----------------------------------------|
| 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%                                    |

### AC Charger DC Output

|                               |                                        |                                        |
|-------------------------------|----------------------------------------|----------------------------------------|
| 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) |

### AC Input

|                        |                               |
|------------------------|-------------------------------|
| AC input voltage range | L-N: 165 - 265 V              |
| Frequency              | 50 Hz/ 60 Hz (Auto detection) |

### General Data

|                                  |                     |                   |
|----------------------------------|---------------------|-------------------|
| 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                |                   |

### Standards

|                      |                          |
|----------------------|--------------------------|
| Safety Certification | IEC 62109-1, IEC 62109-2 |
| EMC                  | IEC 62040-2              |