

tuncmatik

X-LONG ONE

5 kVA

ONLINE UPS (1/1)



True double conversion online technology

Online UPS is the most suitable choice, especially for computers and other sensitive devices. This type of UPS completely isolates your sensitive devices from the mains and feeds your sensitive devices connected with the help of filters in the mains. As a result, all unwanted situations that may occur in the network are filtered by the online UPS and your sensitive devices are fed with pure power.

High output power factor (PF=1)

The UPS provides 43% extra power at the output compared to the standard UPS which are 0.7 power factor. That's why, it supports more electrical/electronics devices.

Pure sinewave output

Full compatibility with all kinds of electrical devices, the ideal solution for your medical and similar critical applications.

Wide input voltage range (110-280 VAC)

Ability to work online even at very low and very high voltages without switching to the battery.

Input power factor correction (PF=0.99)

It does not impose an additional compensation load on your line. It saves on your electricity bills.

Intelligent charging technology for optimal battery performance

Since it charges the battery with a special charging technique, it extends the life of the battery, reduces your operating costs and provides savings.

High performance microprocessor

Thanks to the digital structure and high speed of the CPU-controlled control board it provides full protection by performing the protection functions of the UPS such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the UPS has a stable and reliable structure.

Parallel function (optional)

Parallel operation in single phase with up to 9 units. The maximum supported output power is 45kW/45kVA.

Generator Function

Capability to generator power.

3 phase working capability by connecting 3 products together, easy and fast charging ability by 60A strong battery charge capacity



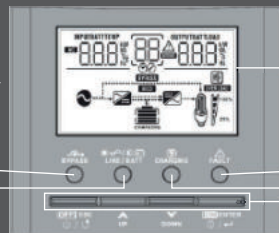
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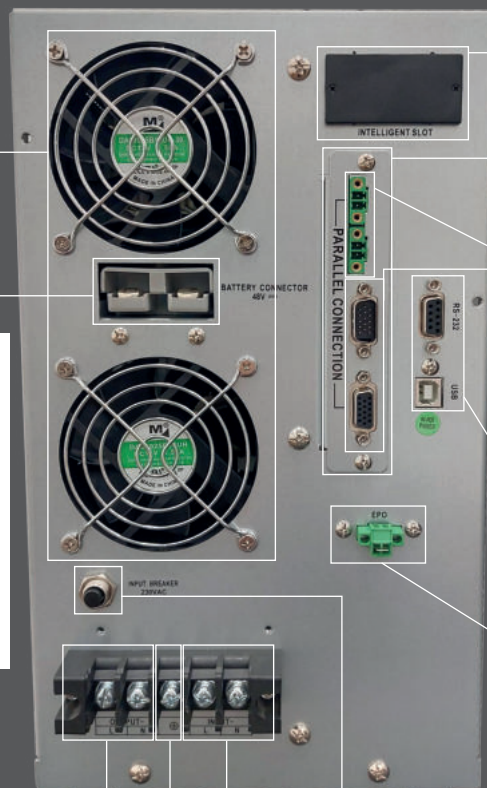
Product Overview



1. LCD Display

Line Mode	No charging.	
	The unit will provide output power from the mains. It will also charge the battery if connecting to battery.	
Battery Mode	Power from battery only.	
	The unit will provide output power from battery.	

- 2. Bypass indicator
- 3. Status indicator
- 4. Fault indicator
- 5. Charging indicator
- 6. Function keys (Please refer to operation)

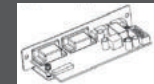


Fans

Intelligent Slot

The UPS is equipped with intelligent slot perfect for either SNMP, Modbus or BMS card. When installing extra communication card in the UPS, it will provide advanced communication and monitoring options.

Parallel board



Current sharing port (only for parallel model)



Current sharing cable (optional)

Parallel communication port



Parallel communication cable

RS-232 & USB port

To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through.

EPO port

EPO Function

This UPS is equipped with EPO function. By default, the UPS is delivered from factory with Pin 1 and Pin 2 closed (a metal plate is connected to Pin 1 and Pin 2) for UPS normal operation. To activate EPO function, remove two screws on EPO port and metal plate will be removed.

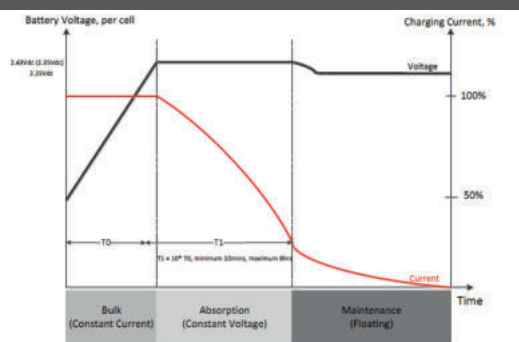


It's closed status for UPS normal operation as default

To activate EPO function, remove these two screws

Battery input

3-Step Charging



AC input

AC input

Circuit Breaker

Ground

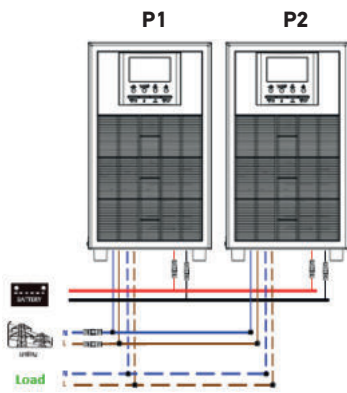
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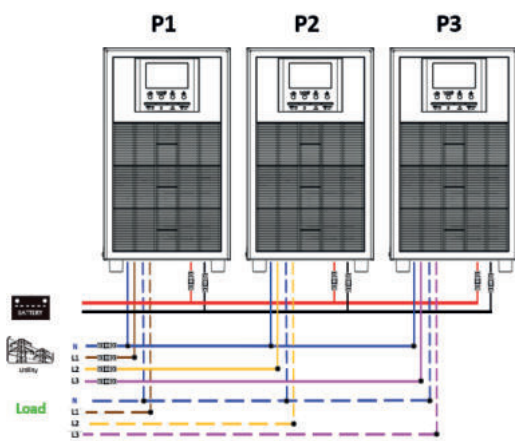
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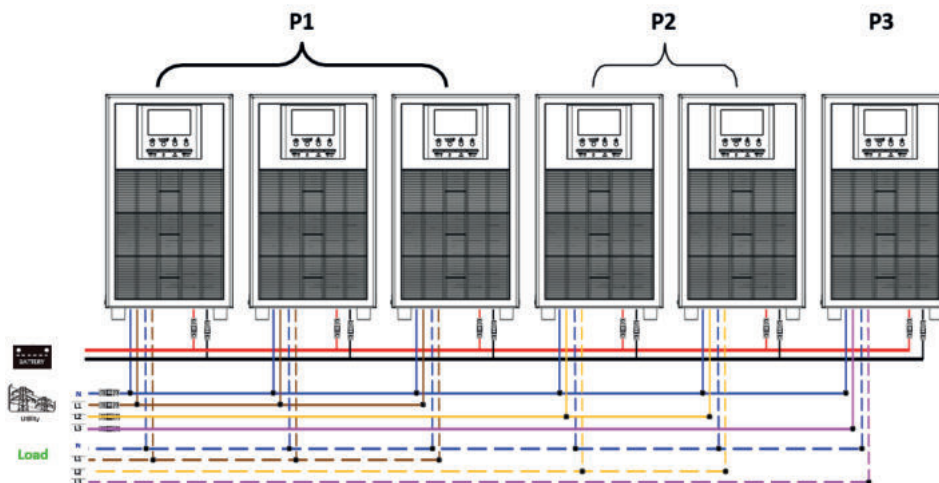
Parallel Operation



1 Phase Parallel



3 Phase Parallel (Balanced)



3 Phase Parallel (Unbalanced)

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CAPACITY	5000 VA 5000 W
INPUT	
Voltage range	110-280 VAC
Frequency range	For 50Hz system 46 Hz~54 Hz, For 60 Hz system 56 Hz~64 Hz
Phase	Single phase + Neutral + Earth
Power factor	≥0.98, %100 load
OUTPUT	
Output Voltage	220/230/240 VAC
Output power factor (PF)	1
AC voltage regulation (Battery mode)	±%1
Frequency Range (Synchronous mode)	For 50Hz system 46 Hz~54 Hz, For 60 Hz system 56 Hz~64 Hz
Frequency Range (Battery mode)	50 Hz or 60 Hz ± 0.1 Hz
Overload	Line Mode: %105-110 10 min then by-pass, %110-130 1min then by-pass, %130-150 3 sec then by-pass Battery Mode: %105-110 1min then by-pass, >%110 3 sec then by-pass
Crest Factor	3:1 maks
Harmonic distortion	≤ %3 THD (linear load) ≤ %6 THD (non-linear load)
Transfer time	Line ↔ Battery Mode: 0 msn Inverter ↔ By-pass: 4 msn (typical)
Waveform (Battery mode)	Pure Sinewave
EFFICIENCY	
Line Mode	~%96
ECO Mode	~%99.5
Battery Mode	~%90
BATTERY	
Battery voltage	48 VDC
Battery charge voltage	54.6 VDC
Overload protection	66 VDC
Charge current	60A
INDICATORS	
LCD Display	UPS status, Load level, Battery Level, Input/Output voltage, Discharge counter, Error status
Alarm	Line failure, Low battery, Overload, System fault
DIMENSIONS & WEIGHT	
D x W x H (mm)	465x190x318
Weight (kg)	15
ENVIRONMENTAL	
Operation temperature	0 - 50°C
Humidity	%0-95 relative humidity (non-condensing)
Noise level	<55dBA, From 1 meter
SOFTWARE & MANAGEMENT	
Smart RS-232 or USB	Windows® 98/2000/2003/XP/Vista/2008, Windows® 7/8, Linux, MAC
SNMP (Optional)	Power management with SNMP manager and web browser
EPO	UPS immediatly shuts down