

We will find a product or make a new one

Standalone UPS

PLMT SERIES 10-500KVA



New full-range double conversion UPS

High-density, true double-conversion on-line power protection for IT (Information technology) and OT (operation technology) applications. Capable of supporting loads from 10 to 500kVA in a compact tower form.

This latest range of UPS comes with a future-proof connectivity design having the capability to connect to the cloud seamlessly to allow the monitoring of the UPS online through any internet-connected device. To ensure users' information is safe and protected, this connectivity is compliant with IEC standard cybersecurity.



Ethernet port



APP

Optional



On Cloud monitoring

Optional



Cloud port



WLAN dongle



NMC card

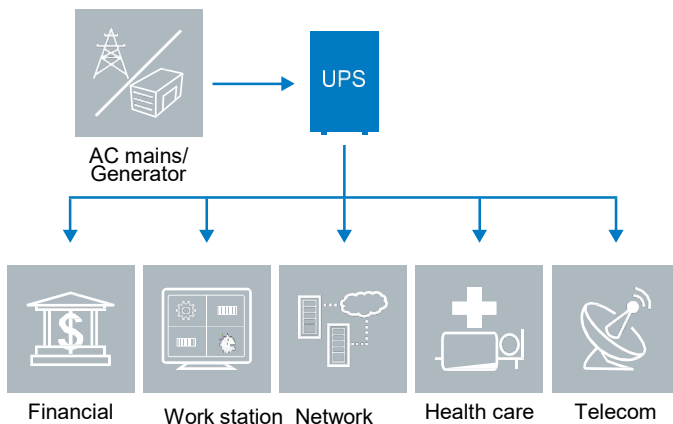
Add on Options

- 2 Source input
- <3% Input THDi with harmonic filter
- Various voltage settings for different countries
- Removing input neutral at site
- Fusible Surge Suppression (AC/DC)
- Redundant Fans
- Cabinet color can be chosen from RAL codes
- Cable Entry (Top/side/bottom/rear)
- Ingress Protection: up to IP66
- RS485, TCP, SNMP and GSM Communication
- Automatic Battery Test
- Touch Panel with Mimic Diagram
- Parallel up to 4 units
- DC Load supply

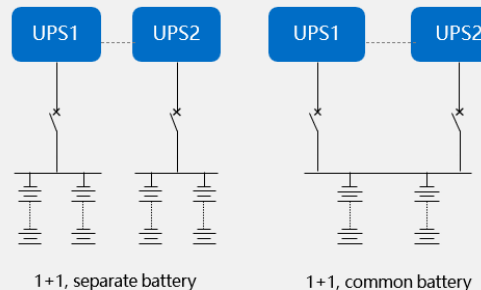
GENERAL SPECIFICATIONS FEATURES

- Input and Output 50Hz, 60Hz, frequency optional.
- On Non-linear loads (computer and switching power supplies) excellent performance
- Intelligent Power Module or IGBT technology full reliability.
- DSP (Digital Signal Processor) control.
- Low Output distortion factor.
- High efficiency.
- Audible alarm
- User-friendly control panel

- Redundant parallel operation
- Potential free output voltage
- Full redundant control architecture
- Very fast dynamic response time
- Output short circuit proof
- Low voltage ripple to prolong battery life time
- Intelligent battery charge and monitoring control
- Lithium Ion Battery charging options ready and available



Separate and common battery solution available



- PLT provides separate battery solution and common battery solution.
- Saving **50%** cost by common battery solution.

MODEL	10-40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	180kVA
INPUT							
Nominal voltage	380/400/415Vac, (3Ph+N+PE)						
Operating voltage range	138~485Vac						
Operating frequency range	40Hz-70Hz						
Power factor	≥0.99						
Harmonic distortion (THDi)	≤3% (100%non-linear load)						
Bypass voltage range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%						
Generator input	Support						
OUTPUT							
Output voltage	380/400/415Vac (3Ph+N+PE)						
Voltage regulation	±1%						
Power factor	1						
Output frequency	1.Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional) 2.Battery Mode:50/60*(1±0.02%)Hz						
Crest factor	3:1						
Harmonic distortion (THD)	≤2% with linear load ≤4% with non linear load						
Efficiency	95.5%						
BATTERY							
Battery voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional)						
Charge Current(A) (charge current can be set according to battery capacity installed)	Max.5A/ Max. 10A	Max. 15A	Max. 20A	Max. 30A		Max. 45A	
SYSTEM FEATURES							
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms						
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min						
Alarm	overload, utility abnormal, UPS fault, battery low, etc.						
Backfeed	Support						
Protection	short circuit, overload, over temperature, battery low, fan fault alarm.						
Communication	USB,RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)						

ENVIRONMENTAL

Operating temperature	0°C~40°C						
Storage temperature	-25°C~55°C(no battery)						
Humidity range	0~95% (non condensing)						
Altitude	< 1500m.When>1500m,lower the rated power for use						
Noise level	<58dB	<60dB	<62dB	<63dB	<65dB	<66dB	<68dB

PHYSICAL

Dimension D×W×H (mm)	720*250*535 720*250*885	865x250x862	885x440x1200				
Net weight (kg)	35/102	70.5	160	162	196	198	

STANDARDS

Safety	IEC/EN62040-1,IEC/EN60950-1						
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MODEL	200kVA	250kVA	300kVA	350kVA	400kVA	450kVA	500kVA
INPUT							
Nominal voltage	380/400/415Vac, (3Ph+N+PE)						
Operating voltage range	138~485Vac						
Operating frequency range	40Hz-70Hz						
Power factor	≥0.99						
Harmonic distortion (THDi)	≤3% (100%non-linear load)						
Bypass voltage range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%						
Generator input	Support						
OUTPUT							
Output voltage	380/400/415Vac (3Ph+N+PE)						
Voltage regulation	±1%						
Power factor	0.9						
Output frequency	1.Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional) 2.Battery Mode:50/60*(1±0.02%)Hz						
Crest factor	3:1						
Harmonic distortion (THD)	≤2% with linear load ≤4% with non linear load						
Efficiency	95.5%						
BATTERY							
Battery voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional)						
Charge Current(A) (charge current can be set according to battery capacity installed)	Max. 50A	Max. 62A	Max. 75A	Max. 88A	Max. 100A	Max. 112A	Max. 125A
SYSTEM FEATURES							
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms						
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min						
Alarm	overload, utility abnormal, UPS fault, battery low, etc.						
Backfeed	Support						
Protection	short circuit, overload, over temperature, battery low, fan fault alarm.						
Communication	USB,RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)						

ENVIRONMENTAL							
Operating temperature		0℃~40℃					
Storage temperature		-25℃~55℃(no battery)					
Humidity range		0~95% (non condensing)					
Altitude		< 1500m.When>1500m,lower the rated power for use					
Noise level	<58dB	<60dB	<62dB	<63dB	<65dB	<66dB	<68dB
PHYSICAL							
Dimension D×W×H (mm)		Custom designed					
Net weight (kg)		Variable					
STANDARDS							
Safety		IEC/EN62040-1,IEC/EN60950-1					