



PPT SERIES

3:3 phase PF 0.9/1.0

Power range : 50kVA~200kVA

High reliability design

cWide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage \geq 305Vac.

Power saving

cHigh input power factor, it can be up to 0.99.
cThree level inverter topology, the efficiency can be up to 95.5%.

Parallel redundancy function

cSupport parallel expanded operation: maximum is 6 units.
cSupport sharing batteries for the UPS in parallel.

Flexible battery configuration

cBatteries number of each group can be selected from 30 pieces to 50 pieces.
cLarge charging current can meet the requirement of long time backup.

Strong load capacity

cOutput power factor is 1.0, UPS can supply power to 100% unbalance load.
cHigh adaptability for load, it can connect full inductive load or capacitive load.

Compatible with generator

cPower Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator.

LBS function

cLBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.

Intelligent management

cSupport USB, RS485, RS232, SNMP, dry contact card.

Technical Specifications:

MODEL	PPT 50	PPT 60	PPT 80	PPT 100	PPT 120	PPT 150	PPT 160	PPT 180	PPT 200
Capacity(VA/Watts)	50k / 50k	60k / 60k	80k / 80k	100k / 100k	120k / 120k	150k / 150k	160k / 160k	180k / 180k	200k / 200k

INPUT

Nominal voltage	380/400/415Vac (3Ph+N+PE)
Operating voltage range	138~485Vac for 40% load; 305~485Vac for full-load
Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)
Power factor	≥0.99
Harmonic distortion (THDi)	≤3% Linear load
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)
Frequency protection range	50/60Hz±10%
Generator input	Support

OUTPUT

Output voltage	380/400/415Vac (3Ph+N+PE)
Voltage regulation	± 1 %
Power factor	1.0
Output frequency	Line Mode ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) Bat. Mode (50/60±0.2%)Hz
Crest factor	3:1
Harmonic distortion (THDv)	≤2% with linear load ≤4% with non linear load
Overload	AC Mode Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150%:turn to bypass immediately Bypass Mode 135% overload long time; >1000% overload 100ms

EFFICIENCY

Efficiency	up to 95.5%
------------	-------------

BATTERY

Battery voltage	OptionalVoltage: ±180V/±192V/±204V/±216V/±228V/±240V/±252V/±264V/±276V/±288V/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional); 360Vdc~600Vdc (30~50pcs, 30pcs default, 36~50pcs output power factpr 1.0; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)		
Charge Current (charge current can be set according to battery capacity installed)	20A Max.	40A Max.	60A Max.

SYSTEM FEATURES

Transfer time	Utility to Battery: 0ms; Utility to Bypass: 0ms
Backfeed protection	Support
Alarm	Overload, utility abnormal, UPS fault, battery low, etc
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm
Remote LCD	Support
Communication	USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, 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, derating required when>1500m
Noise level	<55dB <58dB <60dB <62dB <63dB <64dB <66dB

PHYSICAL

Dimension W×D×H (mm)	250 x 828 x 868	442 x 850 x 1200
Net weight (kg)	80 83 140 160 170 200 205 215 220	

STANDARDS

Safety	IEC/EN62040-1, IEC/EN62477-1
EMC	IEC/EN62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)

Specifications are subject to change without prior notice.