

PT33 Series

Online high frequency UPS

- Self-load test function
- 32 bit high speed digital signal processing DSP
- 30-44 pcs adjustable battery configuration
- Optional output isolation transformer



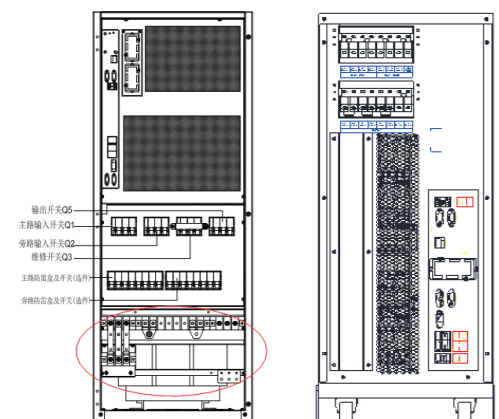
UPS (10KVA - 200KVA)

Power Range

3 phase in, 3 phase out,
10kVA-200kVA

Application Field

Computers, data centers, network device, telecommunication, precision instrument.



Performance characteristics

Advanced Technology

- Wide input voltage
- 50/60Hz auto sensing
- Input power factor correction
- 32 bit high speed digital signal processing DSP
- Self-load test function without loads
- N+X parallel function

Outstanding Flexibility

- Adjustable battery numbers: 30-44 units
- Generator compatible
- Comprehensive display allows easy monitoring
- Cold start function
- Output isolation transformer as option

Green Performance

- ECO mode for energy saving
- Input PF $\geq 0.99@100\%$ load

Performance

Model	PT33-10KS PT33-10KL	PT33-20KS PT33-20KL	PT33-30KS PT33-30KL	PT33-40KS PT33-40KL	PT33-50KS PT33-50KL	PT33-60KS PT33-60KL	PT33-80KL	PT33-100KL	PT33-120KL	PT33-160KL	PT33-200KL		
Capacity	10kVA	20kVA	30kVA	40kVA	50kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA		
Input													
Rated Voltage	380Vac (3 phase+N)												
Voltage Range	304Vac ~ 478Vac (line voltage) full load; 304Vac ~ 228Vac (line voltage) load derated linearly from 100% to 80%												
Frequency Range	40Hz ~ 70 Hz												
Power Factor	$\geq 0.99@100\%$ load; $\geq 0.98@50\%$ load												
THD	THDi < 3% (100% linear load); THDi < 5% (100% nonlinear load)												
Inverter Output													
Output Voltage	380/400/415Vac (3phase+N); 220/230/240Vac(phase+N)												
Voltage Accuracy	$\pm 1\%$ @balanced load; $\pm 5\%$ @unbalanced												
Voltage Waveform Distortion	THDu $\leq 2\%$ (100% linear load); THDu $\leq 4\%$ (nonlinear load)												
Power Factor	0.9 (1 optional)												
Frequency Range (Synchronizing Range)	$\pm 2\text{Hz}$ (settable); $\pm 0.5\text{Hz}$, $\pm 1\text{Hz}$, $\pm 3\text{Hz}$ (settable)												
Frequency Range (Battery Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz												
Overload	< 105%, long run; < 110%, 60 min; 110~125% rated load, load 10 min; > 125~150% rated load, load 1 min; > 150%, 200ms												
Crest Factor	3:1(maximum)												
Time	Main Power \leftrightarrow Battery	0 ms											
	Inverter \leftrightarrow Bypass	1 ms (phase lock failure, <2ms interrupt occurs)											
	Inverter \leftrightarrow ECO	<2 ms											
Efficiency													
Inverter Mode	$\geq 95\%$												
ECO Mode	$\geq 99\%$												
Battery													
Type	Lead acid or lithium												
Number	32; 30 ~ 44 ($\pm 15 \sim \pm 22$) (settable)												
Charging Current	Capacity * 15%/N/12 (N= $\pm 15 \sim 22$)												
Charging Voltage	$\pm 13.65\text{Vdc} * N \pm 1\%$ (N= $\pm 15 \sim 22$)												
Physical													
Size WxDxH(mm)	280 x 685 x 725			780 x 425 x 1200			960 x 600 x 1600		960 x 600 x 1600/2000		1010 x 600 x 2000		
Net Weight(kg)	116			141			166		285		310	360	460
Environment													
Working Temperature	0~ 40°C battery life will be shorten when temperature > 25°C												
Relative Humidity	0~95% no condensation												
Altitude	1000 meters no derate, > 1000 meters derating 1% for every 100 meters rise												
Noise	$\leq 60\text{dB (A)}$ @ 1 meter												
Management													
Intelligent RS-232/RS-485	Support Windows® 2000/2003/XP/Vista/2008、Windows® 7/8/10、Linux and MAC												
Optional SNMP	Support power management by SNMP administrator and web browser												

* Specifications are subject to change without prior notice.