DTH33 Series

Online high frequency UPS

- Self-load test function
- 32 bit high speed DSP
- 30-44 units adjustable battery configuration
- Compatible with lithium battery

UPS (10KVA - 200KVA)

Power Range

3 phase in, 3 phase out,

10kVA-200kVA

Application

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

Adjustable Battery Configuration

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 for easy monitoring
- Cold start function
- Output isolation transformer as optional

Green Performance

- ECO mode for energy saving
- Input PF ≥ 0.99@100% load

Performance

Model		DTH33-10KS DTH33-10KL	DTH33-20KS DTH33-20KL	DTH33-30KS DTH33-30KL	DTH33-40KS DTH33-40KL	DTH33-50KS DTH33-50KL	DTH33-60KS DTH33-60KL	DTH33-80KL	DTH33-100KL	DTH33-120KL	DTH33-160KL	DTH33-200KL
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 from100% to 80%										
Frequency Range		40Hz ~ 70 Hz										
Power Factor		≥ 0.99@100% load；≥ 0.98@50% load										
THDi		＜3%（100% linear load）；＜5%（100%nonlinear load）										
Output												
Output Voltage		380/400/415Vac (3phase+N)；										
Voltage Accuracy		±1%@balanced load；±5%@unbalanced										
THDu		≤2%（100% linear load）；≤4%（nonlinear load）										
Power Factor		0.9（1 optional）										
Frequency Range		±2Hz（settable)；±0.5Hz、±1Hz、±3Hz（settable）(Synchronizing Range)										
Frequency Range		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Battery Mode)										
Overload		＜105%，long run；＜110%，60 min; 110～125% rated load，load 10 min; ＞125～150% rated load，load1 min; ＞150%，200ms										
Crest Factor		3:1(maximum)										
Switching Time		0 ms (Main power ⇔ Battery)										
		1 ms (phase lock failure, <2ms interrupt occurs) (Inverter ⇔ Bypass)										
		<2 ms (Inverter ⇔ ECO)										
Efficiency												
Inverter Mode		≥95%										
ECO Mode		≥99%										
Battery												
Number	Long backup	32；30～44（±15~±22）(settable)										
	Standard backup	(30~60) x7AH/9AH			(60~80) x7AH/9AH			NA				
Charging Current		Capacity* 15%/N/12（N=±15-22）										
Charging Voltage		± 13.65Vdc * N ± 1%（N=±15-22）										
Physical												
Long backup	Size WxDxH(mm)	280 x 685 x 725			425 x 780 x 1200				600 x 800 x 1600		600 x 960 x 1600/2000	600 x 1010 x 2000
	Net Weight(kg)	45			108			230		310	360	460
Standard backup	Size WxDxH(mm)	400 x 685 x 1000			425 x 780 x 1580			NA				
	Net Weight(kg)	62(w/o battery)			135(w/o battery)			NA				
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		≤60dB (A)@ 1 meter										
Management												
Intelligent RS232/RS485		Support Windows® 2000/2003/XP/Vista/2008、Windows® 7/8/10、Linux and MAC										
Optional		SNMP/Dry contact										

* Specifications are subject to change without prior notice.