

DTH31 Series

Online high frequency UPS

- 50/60Hz auto sensing
- Adjustable input: 3 phase 380V or single phase 220V
- Adjustable battery numbers
- Charging current can expand to 8A



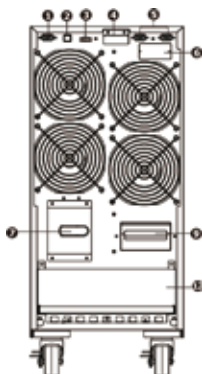
Power Range

10kVA-20kVA
3 phase in, 1 phase out,

Application

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

Adjustable Input: 3 Phase Or 1 Phase



Performance characteristics

Advanced Technology

- Wide input voltage
- 50/60Hz auto sensing
- Input power factor correction
- Microprocessor control optimizes reliability
- N+X parallel function

Outstanding Flexibility

- Adjustable battery numbers
- Generator compatible
- Comprehensive display allows easy monitoring
- Cold start function
- Adjustable input: 3 phase 380V or 1 phase 220V

Green Performance

- ECO mode for energy saving
- High input power factor up to 0.99



Performance

Model	DTH31-10K DTH31-10KL	DTH31-15K DTH31-15KL	DTH31-20K DTH31-20KL
Capacity	10kVA	15kVA	20kVA
Input			
Rated Voltage	380VAC (3 phase+n)		
Voltage Range	190 VAC ~520 VAC @50% load ; 305 VAC ~478VAC @100% load		
Frequency Range	46Hz ~ 54 Hz @ 50Hz system ; 56Hz ~ 64 Hz@ 60Hz system		
Power Factor	≥0.99@100%load		
THDi	< 3% (100% linear load) ; < 5% (100%nonlinear load)		
Output			
Output Voltage	208/220/230/240VAC		
Voltage Accuracy	± 1%		
Frequency Range	46Hz ~ 54 Hz or 56Hz ~ 64 Hz (Synchronizing Range)		
Frequency Range	50 Hz ± 0.1Hz or 60Hz ± 0.1 Hz (Battery Mode)		
Power Factor	Standard0.8(optional 0.9)		
Crest Factor	3:1		
Main power Mode	105%~110%: 10 min ; 110%~130%:1 min ; >130%: 1 sec		
Battery Mode	105%~110%: 30 sec ; 110%~130%:10 sec ; >130%: 1 sec		
THDu	≤2% @ 100% linear load ; ≤5% @ 100% nonlinear load		
Switching Time	0 ms (Main power ⇌ Battery) 0 ms (Inverter ⇌ Bypass)		
Efficiency			
Inverter Model	> 92%	> 93%	
Battery			
Standard	Number	16 (16~20 settable)	2 x 16 (16~20 settable)
	Charging Time	9 Hours reach 90% capacity	
	Charging Current	1A	2A
	Charging Voltage	218.4VDC ± 1%	
Long Backup	Number	16 (16~20 settable)	
	Charging Current	4A (optional8A)	
	Charging Voltage	218.4 VDC ± 1%	
Physical			
Standard	Size WxDxH(mm)	592 x 250 x 576	815 x 250 x 826
	Net Weight (kg)	83	164
Long Backup	Size WxDxH(mm)	592 x 250 x 576	
	Net Weight (kg)	28	40
Environment			
Working Condition	Relative humidity 0-95% and temperature 0-40°C(no condensation)		
Noise	< 60 dB(A) @ 1 Meter		
Management			
Intelligent RS232 or USB	Support Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC		
Optional SNMP	Support power management by SNMP administrator and web browser		

*In frequency conversion mode, the output power will be derated to 80%. When the output voltage is set to 200Vac or 208Vac, the output power will be derated to 80%
* Specifications are subject to change without prior notice.