

DTH11 Series

Online high frequency UPS

- 50/60Hz auto sensing
- Adjustable battery numbers for 6/10KVA
- Output PF=1



■ Power Range

1kVA-10kVA

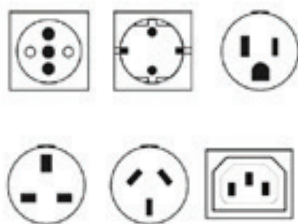
Single Phase In, Single Phase Out

■ Application

Computers, data center, network device, tele-communication, precision instrument.

◆ Communication Interface

RS232+USB+EPO+SNMP slot



Available socket

■ Performance characteristics

Advanced Technology

- DSP digital controlling technology
- 50/60Hz auto sensing
- Wide input voltage range
- Automatic recovery function

Outstanding Flexibility

- Adjustable battery numbers for 6-10KVA
- Adjustable charging current
- Comprehensive display allows easy monitoring
- Maintenance bypass(optional)

Green Performance

- Input power factor ≥ 0.99
- ECO mode for energy saving
- Output Power=1



Performance

Model	DTH11-1K DTH11-1KL	DTH11-2K DTH11-2KL	DTH11-3K DTH11-3KL	DTH11-6K DTH11-6KL	DTH11-10K DTH11-10KL	
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	
Input						
Voltage Range	110~300Vac (110~176VAC/276~300VAC at different loads)					
Frequency Range	44~56Hz@ 50Hz system or 54Hz~66Hz @ 60Hz system					
Power Factor	≥0.99@100% load					
THDi	< 3% (100% linear load) ; < 5% (100%nonlinear load)					
Output						
Output	208/220/230/240VAC(208V should be set from LCD with derating 10%)					
Voltage Accuracy	±1%					
Frequency Range (Battery mode)	50/60Hz±0.1%					
Overload Capacity	Line mode: 30min@102%~110% Load , 10min@110%~130% Load , 30S@130%~150% Load , 500ms@>150% Load Battery mode: 10min@102%~110% Load , 1min@110%~130% Load , 10s@130%~150% Load , 500ms@>150% Load					
Power Factor	1					
Peak Current Ratio	3:1					
THDu	≤2% @ 100% linear load ; ≤5% @ 100% Nonlinear load ≤2% @ 100% Linear load; ≤4% @ 100% Nonlinear load					
Switching Time	0 ms (Main power ⇌ Battery) < 4 ms (Inverter ⇌ Bypass) 0 ms (Inverter ⇌ Bypass)					
Efficiency						
AC/AC Mode	>94.5%	>95.5%	>95.5%	> 95.5%	> 95.5%	
Battery						
Standard	Model	12V / 7Ah				
	Number	2	4	6	16(16~20 settable)	
	Charging Current	1A			1A; max: 2A optional	
	Rated Voltage	24	48	72	192(192-240 settable)	
Long Backup	Charging Current	1-12A settable				
	Rated Voltage	36	72	96	192(192-240 settable)	
Other						
Protection	Low battery power off, Battery overcharge protection, Battery leakage current, Battery over discharge, Short circuit					
Alarm	Battery Low Voltage, Charger Failure, UPS failure, UPS failure, Bypass					
Display	LCD display UPS running status					
Environment						
Working Condition	Relative Humidity 20%-95% and temperature 0-40 °C					
Noise	< 50dB(A)@ 1 meter					
Management						
Communication Interface	RS232,EPO ,USB(SNMP optional in slot)					
Physical Characteristics						
Standard	Size WxDxH(mm)	145x276x225	145x392x225	190x395x325	190x400x700	
	Net weight (kg)	8.2	15.3	20.5	47.2	48.5
Long Backup	Size WxDxH(mm)	145x276x225	145x392x225	145x392x225	190x400x330	
	Net weight (kg)	3.7	5.5	6.0	8.8	9.6

* The product is subject to actual product. The above specifications are subject to change without notice.