

DTH11-R Series

Online high frequency UPS

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



UPS (1KVA - 10KVA)

Power Range

Single Phase in, Single Phase out,
1kVA-10kVA

Application

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

1-3KVA rear panel



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

Green Performance

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

Performance

Model	DTH11-1KR DTH11-1KRL	DTH11-2KR DTH11-2KRL	DTH11-3KR DTH11-3KRL	DTH11-6KR DTH11-6KRL	DTH11-10KR DTH11-10KRL	
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	
Input						
Voltage Range	110~300Vac (110~176VAC/276~300VAC at different load)					
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	$\pm 1\%$					
Frequency Range (Battery mode)	50/60Hz $\pm 0.1\%$					
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	$\leq 2\%$ @ 100% linear load ; $\leq 5\%$ @ 100% Nonlinear load			$\leq 2\%$ @ 100% Linear load ; $\leq 4\%$ @ 100% Nonlinear load		
Switching Time	0 ms (Main power \leftrightarrow Battery) < 4 ms (Inverter \leftrightarrow 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, Bypass failure					
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)	440x380x88	440x450x88	440x600x88	UPS 440x470x88 + battery 440x670x88	
	Net weight (kg)	10.2	17.3	22.5	10.8+39	11.6+40.5
Long Backup	Size WxDxH(mm)	440x380x88	440x450x88	440x450x88	440x470x88	
	Net weight (kg)	5.7	7.5	8	10.8	11.6

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