# **DTH11-R Series**

Online high frequency UPS

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







## Power Range

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

## Application

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

## ♦ 1-3KVA rear panel



















## **■** 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

Table	Model		DTH11-1KR DTH11-1KRL	DTH11-2KR DTH11-2KRL	DTH11-3KR DTH11-3KRL	DTH11-6KR DTH11-6KRL	DTH11-10KR DTH11-10KRL	
Voltage Range	Capacity		1kVA	2kVA	3kVA	6kVA	10kVA	
Proquency Range	Input							
Power Factor	Voltage Range		110~300Vac (110~176VAC/276~300VAC at different load)					
THD	Frequency Range		44~56Hz@ 50Hz system or 54Hz~66Hz @ 60Hz system					
Output         208/220/230/240VAC(208V should be set from LCD with derating 10%)           Voltage Accuracy         ± 1%           Frequency Range (Battery mode)         Doy/200/230/240VAC(208V should be set from LCD with derating 10%)           Overload Capacity         Buttery mode: 10ming 102%-110% Load, 10ming 110%-130% Load, 10ming 110%-150% Load, 500ming 150% Load           Power Factor         1           Power Factor         1         1           Power Factor         2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <th colsp<="" td=""><td colspan="2">Power Factor</td><td colspan="5">≥0.99@100% load</td></th>	<td colspan="2">Power Factor</td> <td colspan="5">≥0.99@100% load</td>	Power Factor		≥0.99@100% load				
Dulput	THDi		< 3% (100% linear load) ; < 5% (100%nonlinear load)					
Voltage Accuracy	Output							
Solidary   Solidary	Output		208/220/230/240VAC(208V should be set from LCD with derating 10%)					
Deveload Capacity	Voltage Accuracy		±1%					
## Battery mode: 10min@102%-110% Load, 1min@110%-130% Load, 10x@130%-150% Load, 500ms@-150% Load    Peak Current Ratio	Frequency Range (Battery mode)		50/60Hz±0.1%					
Power Factor	Overload Capacity							
THDU	Power Factor							
Switching Time	Peak Current Ratio		3:1					
Switching Time	THDu		≤2% @ 100% linear load ; ≤5% @ 100% Nonlinear load ≤2% @ 100% Linear load; ≤4% @ 100% Nonlinear load					
A ms (Inverter → Bypass)	Switching Time		0 ms (Main power ⇔ Battery)					
AC/AC Mode			< 4 ms (Inverter ⇔ Bypass)					
Model	Efficiency							
Model	AC/AC Mode		>94.5%	>95.5%	>95.5%	> 95.5%	> 95.5%	
Number   2	Battery							
Standard   Charging Current   1A		Model			12V / 7Ah			
Charging Current   1A	Standard	Number	2	4	6	16(16~20 settable)		
Charging Current   Rated Voltage   36   72   96   192(192-240 settable		Charging Current		1A		1A; max: 2A optional		
Rated Voltage   36   72   96   192(192-240 settable)		Rated Voltage	24	48	72	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  Size WxDxH(mm) 440x380x88 440x450x88 440x450x88 440x450x88 440x470x88	Long Backup	Charging Current			1-12A settable			
Protection Low battery power off, Battery overcharge protection, Battery leakage current, Battery over discharge, Short circuit  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  Size WxDxH(mm) 440x380x88 440x450x88 440x450x88 440x450x88 440x470x88		Rated Voltage	36	72	96	192(192-240 settable)		
Battery Low Voltage, Charger Failure, UPS failure, Bypass failure	Other							
Display   LCD display UPS running status	Protection		Low battery power off, Battery overcharge protection, Battery leakage current, Battery over discharge, Short circuit					
Environment	Alarm		Battery Low Voltage, Charger Failure, UPS failure, Bypass failure					
Relative Humidity 20%-95% and temperature 0-40 ℃           Noise         < 50dB(A)@ 1 meter           Management           Communication Interface         RS232,EPO ,USB(SNMP optional in slot)           Physical Characteristics           Standard         Size WxDxH(mm)         440x380x88         440x450x88         440x670x88 + 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	Display		LCD display UPS running status					
Noise   < 50dB(A)@ 1 meter	Environment							
Management           Communication Interface         RS232,EPO ,USB(SNMP optional in slot)           Physical Characteristics           Standard         Size WxDxH(mm)         440x380x88         440x450x88         440x670x88 + 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	Working Condition		Relative Humidity 20%-95% and temperature 0-40 °C					
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	Noise		< 50dB(A)@ 1 meter					
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	Management							
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	Communication Interface		RS232,EPO ,USB(SNMP optional in slot)					
Standard         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	Physical Char	acteristics						
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	Standard	Size WxDxH(mm)	440x380x88	440x450x88	440x600x88	UPS 440x470x88 + battery 440x670x88		
Long Backup		Net weight (kg)	10.2	17.3	22.5	10.8+39	11.6+40.5	
	Long Rockup	Size WxDxH(mm)	440x380x88	440x450x88	440x450x88	440x4	440x470x88	
	сопу васкир	Net weight (kg)	5.7	7.5	8	10.8	11.6	

<sup>\*</sup> The product is subject to actual product. The above specifications are subject to change without notice,

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