

DTH11 Series

Online Double Conversion

1kVA-10kVA, 1 Phase Input, 1 Phase Output

Advanced Technology

- Generator input compatible
- 50/60Hz Auto-sensing
- Wide input range

Outstanding Flexibility

- 6/10kVA support 16-20 battery units configuration
- Multifunction LCD & LED readout
- Support RS232, USB, optional: RS485, dry contact card, SNMP

Green Performance

- PFC technology, input power factor ≥ 0.99
- ECO mode for energy saving
- Output power = 1
- Fan speed automatically adjusts according to the load

Applications: Computer, data center, telecom, finance, security, transportation, medical, petrochemical, etc.



Communication Interface

RS232 • USB • EPO • SNMP slot



Specification

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	1 Phase (L+N+PE)110~300VAC										
Frequency Range	40Hz ~ 70Hz										
Power Factor	≥0.99										
THDi	< 3% (100% linear load) ； < 5% (100% nonlinear load)										
Output											
Voltage	208/220/230/240VAC										
Voltage Accuracy	±1%										
Frequency Range	50/60Hz ± 0.1%										
Overload	102%~110%, 30min; 111%~130%, 10min; 131%~150%, 30sec; > 150%, 0.2sec										
Power Factor	1										
THDu	≤2% @ (100% linear load); ≤5% @ (100% nonlinear load)										
Switching Time	0 ms										
Efficiency											
Inverter Mode	94.5%		95.5%								
Battery											
Standard	Model	12V / 7Ah									
	Number	2	4		6		16				
	Charging Current	1A	1-4A Configurable(default 1A)								
	Rated Voltage	24V	48V		72V		192V				
Long Backup	Number	3	6		8		16-20				
	Charging Current	1-12A Configurable(default 5A)									
	Voltage	36V	72V		96V		192-240V				
System											
Communication		RS232, USB, optional: RS485, dry contact card, SNMP									
Environment											
Operating Temperature		0 ~ 40°C									
Humidity		0 ~ 95%(Non-condensing)									
Altitude		< 1000m no derate, > 1000m derate(refer to IEC62040)									
Noise		< 50dB @ 1 m									
Physical											
Standard	W×D×H(mm)	145×276×225		145×392×225		190×395×325		190×400×700			
	Weight(kg)	8.2		15.3		20.5		47.2		48.5	
Long Backup	WxDxH(mm)	145x276x225		145x392x225				190x400x330			
	Weight(kg)	3.7		5.5		6.0		8.8		9.6	

* Specifications subject to change without notice.