

DTL SERIES

SINGLE PHASE HIGH-DENSITY ONLINE UPS

SPECIFICATIONS

Capacity: 3/6/10kVA

Rated Input Voltage: 208/220/230/240Vac

Rated Output Voltage: 208/220/230/240Vac

Rated Frequency: 50/60Hz(Self-Adaptation)

UPS Technology: Online Double Conversion

APPLICATIONS

Personal computer, data center, telecom, finance, security, transportation, medical, etc.

FEATURES

Reliable

Wide Input Voltage and Frequency Range

- Wide input voltage and frequency range, providing clean, safe, and stable power supply.

Strong Load Capacity

- High impact resistance, provides better protection against interference caused by instantaneous load changes, improves the load-carrying capacity of the UPS with good compatibility.

Generator Compatible

- Compatible with generator input, continuously providing safe and stable power supply.

Easy to Operate

Easy Installation and Wiring

- With input zero and live wire detection function to prevent fires due to reverse connection, ensuring personnel and property safety.

User-friendly Interface

- Dual display of LCD and LED, real-time dynamic display of UPS operating data and working status.

50/60Hz Frequency Adaptability

- Frequency automatic recognition, adapts to 50/60Hz power supply systems.



UPS (3kVA-10kVA)

High Efficiency

Outstanding Performance

- Output power factor of 0.9, perfect performance with affordable price. The full load efficiency of the whole machine reaches up to 92%, saving energy consumption to a great extent and significantly reducing customer operating costs.

High Input Power Factor

- Adopting power factor correction technology (PFC), input power factor reaches up to 0.99, reducing pollution to the power grid.

ECO Mode

- Equipped with ECO Mode for energy saving when the power grid is in good condition.

Intelligent

Intelligent Energy Management

- Equipped with RS232, USB, and compatible with SNMP, dry contact, etc, matching different monitoring and management needs of customers.

Intelligent Fans

- Adjust the rotation speed for precise cooling, improving the overall efficiency and reducing losses.

Intelligent Setting

- Panel settings available: output voltage, EOD, bypass mode, ECO, frequency conversion mode, battery node number, and etc. Intelligent and convenient, adjustable on-site, and cost-saving.

PERFORMANCE



Model	DTL11-3K	DTL11-3KL	DTL11-6KL	DTL11-10KL
Capacity	3kVA	3kVA	6kVA	10kVA
Input				
Input Wiring	L+N+PE			
Rated Input Voltage	208/220/230/240Vac			
Voltage Range	110~300Vac			
Frequency Range	40Hz ~ 70Hz			
Power Factor	≥0.98		≥0.99	
Inverted Output				
Rated Output Voltage	208/220/230/240Vac			
Voltage Accuracy	±1%			
Frequency Range	50/60±6Hz(Turn into mains frequency if phase locked) / 50/60Hz±0.1%(Constant Frequency Mode)			
Overload	102%-110%: 30min;111%-130%: 10min; 131%-150%: 30s; >150%: 200ms			
Power Factor	0.9			
THDu	≤2%@100%Linear Load; ≤5%@100%Non-Linear Load			
Switching Time	0ms			
Efficiency				
Inverter Mode	90%		92%	
Battery				
Battery Type	VRLA			
Charging Current	1A; 5A for long run model, 1-12A (Settable)			
Battery Voltage	72VDC	96VDC	192-240VDC	
Communications				
Serial Port	RS232, USB, EPO (Optional)		RS232, USBEPO	
Expansion Slot	SNMP, Dry contact, RS485 (Optional)			
Environment				
Altitude	Less than 1000m, power derating for altitude > 1000m, details refer to IEC62040			
Temperature	0~40°C			
Humidity	20~90%(Non-condensing)			
Noise	<50dB @ 1m			
Physical Size				
W×D×H(mm)	190x400x598	190x398x320	190x400x702.5	
Weight (kg)	30.7	16.2	47.8	70.6

*When output is set to 208VAC, the output power will be derated to 90%;

*The actual product shall prevail, specifications subject to change without notice.