DT Series Three-Phase Modular UPS (Rack)

Capacity

40kVA-180kVA

Applications

Government; Military; Telecom; Power; Transportation; Broadcasting; Taxation; Finance; Healthcare; Education; Petrochemical; Internet.

Features

Efficient

- The output power factor is up to 1.0. The loading capacity is increased by more than 10% than traditional UPS;
- The system efficiency is as high as 96%, with energy consumption and operation cost save by more than 20% each year;
- Intelligent self-aging function saves energy by more than 95% (not necessary to rent fake load), saving operation and installation costs for users;
- With input current harmonics less than 3% and input power factor as high as 0.99, the power grid is protected from harmonic pollution;

• Intelligent hibernation function improves the efficiency of the system under light load and saves energy.

Reliable

- Patented parallel technology ensures the reliability of multiple modules in parallel;
- The communication signal cables are designed with independent routing and metal cover protection to prevent system malfunctions due to misoperation and other interference;
- UPS can interact with lithium battery BMS system in real time to relize the intelligent management and linkage of the UPS to the battery to prevent the it from getting out of control;
- The system adopts decentralized control logic to avoid the risk of single point of failure caused by centralized control;
- Auto-start. After shutting down by low-voltage battery protection, the inverter will automatically start up and charge the battery once the mains power is restored.



40kVA-180kVA

Flexible

- The system supports phased deployment and capacity expansion on demand to reduce the initial investment cost of customers;
- Both bypass module and power module support online hot plug, and the MTTR is less than 5 minutes;
- Rack-mounted design compatible with 19-inch cabinets, integrating input and output power distribution;
- 10 inch color touch screen, graphical display and abundant functions are available, with UPS and battery system operation status readily available at your fingertips;
- The ultra-wide battery regulation range helps to accurately match the battery capacity and flexibly utilize the old battery pack on site, saving customer investment;
- The system supports direct battery startup to meet the needs in scenarios without AC utility.



Specifications



bover Module Quantity 120k/w/120k// 150k/w/150k// 150k//	Model	DTM33-120(R)	DTM33-150(R)	DTM33-180(R)
bower Module Quantity 3 Input 3 Wring Method 3 Phase=N+PE Rated Voltage 380/400/415VAC (line-line) Rated Voltage 3004-789xac* Frequency Range 40-70Hz Power Factor -0.09 THDi THDi-3% @ 100% linear load; THDi-5% @ 100% non-linear load Bypass 380/400/415VAC (line-line) Rated Voltage Range Factory setting -20% - +15%; settable, upper limit: +10%, +15%, +20%, +25%; lower limit: -10%, -15%, -20%, -30%, -40° Battery Uolage Range ± 180/±192/±204/±216/±228/±240/±252/±26V2C (30-44units settable), defaulted by 32 units (± 192/DC) Battery Uolag Sharing * 180/±192/±204/±216/±228/±240/±252/±26V2C (30-44units settable), defaulted by 32 units (± 192/DC) Battery Load Sharing * 180/±192/±204/±216/±228/±240/±252/±26V2C (30-44units settable), defaulted by 32 units (± 192/DC) Power Factor 1 Rated Voltage Accuracy \$100/01/15VAC (line-line) Power Factor 1 Rated Voltage Accuracy \$100% (DotAtto-45%),	Rated Capacity	40kVA	50kVA	60kVA
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Communication InterfaceRS232/RS485/SNMP card (optional)/dry contact (optional)Working ConditionTemperature: 0-40°C; humidity: 0-95% (no condensation)Noise<60dBA @ 1 meterAltitude<1000 meters, no derating, >1000 meters, derating 1% if every 100 meters increasedSizeSystem W×D×H(mm)482.6×850×711 (16U)Module WxDxH(mm)440×720×130 (3U)WeightSystem (kg)66	Language			
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Working ConditionTemperature: 0-40°C; humidity: 0-95% (no condensation)Noise<60dBA @ 1 meter	Communication Interface	RS232/RS485/SNMP card (optional)/dry contact (optional)		
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Size System W×D×H(mm) 482.6×850×711 (16U) Module WxDxH(mm) 440×720×130 (3U) Weight 59 stem (kg) 66		<60dBA @ 1 meter		
Size System W×D×H(mm) 482.6×850×711 (16U) Module WxDxH(mm) 440×720×130 (3U) Weight 59 stem (kg) 66		<1000 meters, no derat		y 100 meters increased
System W×D×H(mm) 482.6×850×711 (16U) Module WxDxH(mm) 440×720×130 (3U) Weight 66			J. ,	
Module WxDxH(mm) 440×720×130 (3U) Weight 66			482.6×850×711 (16U)	
Weight System (kg) 66	•			
System (kg) 66				
	-		66	
	Module (kg)	32.5 (40kVA) /33.5 (50kVA) /35 (60kVA)		

*Derating is required when input voltage exceeds the specified range. *" R" in the above model numbers is used only to distinguish between models and installation methods, which will not be displayed in reports or factory labels. *Specifications are subject to change without prior notice.

