

MTN-D 10-25 kVA

Online double conversion
Tower or 19" rack mount I I DC



Product

MTN-Dual series is double conversion online UPS with fully DSP controlled technology. With its flexible configuration of 3/3 and 3/1, compact design, it's the ideal choice for modern data center with 19 inch standard rack design, self-adjusting output frequency, smart battery management system and network management. MTN-Dual is a perfect choice for computers, IT equipment and other sensitive device.

DSP TECHNOLOGY

The advanced DSP digital control technology enables UPS more stable performance.

ACTIVE INPUT POWER FACTOR CORRECTION (PFC)

Digitalized control of the PFC enable the UPS to keep input power factor above 0.99 to prevent possible electric grid pollution and meanwhile mostly save the cost.

ZERO POWER SWITCH DELAY

When the utility power fails, UPS will automatically switch from AC mode to battery mode with no delay, which ensures stable power supply of operating system.

ENVIRONMENT FRIENDLY

This UPS is eco-designed and manufactured to meet the most local pollution control requirement of Electronic Products, which means it will cause no harm to environment and human beings in normal usage.

FLEXIBLE CONFIGURATION

The system can be configured to 3/3 and 3/1

FRIENDLY INTERFACE

5.5" touch color LCD with graphic display, more information displayed and easier for customer to operate

WIDE RANGE OF INPUT VOLTAGE AND FREQUENCY

We intentionally widen the range of input factors to make sure the UPS can apply to various environment, which will effectively sustain the battery charging even in unstable power environment so that the service life of the UPS could be obviously prolonged.

Features

- Wide range of input voltage while input PF>99%
- Output PF of 1.0
- Full protection of overvoltage, circuit short and over temperature
- Network/fax/modem surge protection
- LCD/LED display, monitoring all the operation status
- 19 inch standard cabinet and battery cabinet
- Automatic fan speed adjustment
- Abundant interface : RS232, RS485, USB, SNMP, Intelligent Card
- Parallel up to 4 units

Model	MTN-D10	MTN-D15	MTN-D20	MTN-D25
Power Rating	10KVA/10KW	15KVA/15KW	20KVA/20KW	25KVA/25KW
Main				
Input	3 P + N+ PE			
Rate Voltage	380/400/415VAC (line-line)			
Rate Frequency	50/60Hz			
Input Voltage Range	304~478Vac (line-line), full load 228V~304Vac (line-line),full load; 228V~304Vac(line-line),derate from 75% to 100% load			
Input Frequency Range	40Hz~70Hz			
Input PF	>0.99			
Input THDi	<4% (100% Linear Load)		<3% (100% Linear Load)	
Bypass				
Rate Voltage	380/400/415Vac (line-line)			
Rate Frequency	50/60Hz			
Input Voltage Range	Selectable, -40%~+25%			
Bypass Frequency Range	Selectable, ± 1 Hz, ± 3 Hz, ± 5 Hz			
Bypass Overload	125%, Long time;130%,10mins;150%,1min;>150%,1s			
Output				
Rate Voltage	380/400/415Vac (line-line)			
Rate Frequency	50/60Hz			
Output PF	1			
Output THDu	<1% from 0% to 100% linear load; <5.5% full nonlinear load according to IEC/EN62040-3		<1.5% from 0% to 100% linear load; <6% full nonlinear load according to IEC/EN62040-3	
Inverter Overload	110% for 1 hour;125% for 10 min;150% for 1min;>150% for 200ms			
Battery				
Battery number	± 240 VDC			
Charger Accuracy	1 %			
Charger Capacity	up to 20% *Output power			
Battery Cold Start	Yes			
Efficiency				
AC Mode	95.0%max		>95.5%	
Battery Mode	94.5%max		>95%	
Environmental				
Operation Temperature	0 ~ 40 °C			
Storage Temperature	-40 ~ 70 °C			
Relative Humidity	0 ~ 95% Non condensing			
Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load			
Physical data				
Dimension W*D*H (mm)	438*780*130	438*780*130	438*780*130	438*780*130
Weight (kg)	25	25	30	30