

MTN-Dual Series

1kVA~3kVA

Online double conversion

Tower or 19" rack mount UPS

ecoLiFePO₄

Ready



Product

MTN-Dual series is a online double conversion UPS with full DSP control technology. 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 equipments and other sensitive devices.

DSP TECHNOLOGY

The advance DSP digital control technology enable UPS more stable performance.

ACTIVE INPUT POWER FACTOR CORRECTION (PFC)

Digitalized control of the PFC enable the UPS to keep input power fact 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 mean it will cause no harm to environment and human beings in normal usage.

GENERATOR COMPATIBILITY

The wide range of input voltage and frequency can effectively separate the harmful electric wave produces by the generators and provide safe and reliable power supply.

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.

LiFePO₄ BATTERY ADVANTAGES

- Long battery runtimes – typically 3 times longer than lead-acid batteries
- Very lightweight – each battery pack weighs 44% less than a lead-acid equivalent
- Long service life – more than 10 years; only 4 to 5 years for lead-acid batteries
- Wide-temperature range – tolerates wide temperatures from -20°C to 55°C
- Advanced safety – no thermal runaway issues that are inherent in Lithium-ion chemistry
- Lower lifetime costs – 75 percent less than lead-acid batteries
- Eco-friendly –EPI LiFePO₄ battery is safe for the environment. It has no caustic materials or dangerous odors.

Features

- Wide range of input voltage while input PF>99%
- Output PF of 0.9
- Full protection of over-voltage, circuit short and over temperature
- Network/fax/modem surge protection
- LED/LCD display, monitoring all the operation status
- 19 inch standard cabinet and battery cabinet
- Automatic fan speed adjustment
- Abundant interface : RS232, USB, SNMP, Intelligent Card

MODEL	MTN-Dual1101S	MTN-Dual1102S	MTN-Dual1103S
	MTN-Dual1101L	MTN-Dual1102L	MTN-Dual1103L
Capacity	1kVA/.9kW	2kVA/1.8kW	3kVA/2.7kW
Input voltage range	110VAC-288VAC		
	100% load@>176VAC; 80% load@>154VAC		
	70% load@>132VAC; 50% load@>110VAC		
Input frequency	40-70Hz		
Input PF	≥0.97		
Voltage regulation	±1 %		
Output frequency	50/60Hz		
Output PF	0.9		
Overload capability (Inverter mode)	105%-130% : to bypass 1 min; 150% : to bypass after 30 sec		
Overload capability (Battery mode)	105%-130% : shutdown after 10 sec; 150% : shutdown after 5 sec		
Crest factor	3 : 1		
Efficiency	87%	91%	90%
Display	LED+LCD		
Battery voltage	36VDC	72VDC	96VDC
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8
	External		
Interface	RS232, SNMP		
Optional	USB, SNMP, Dry contacts		
Operation temperature	0-40°C		
Relative humidity	0-95%(non-condensing)		
Dimension (W*D*H) (mm)	440*430*86	440*480*173	440*480*173
	440*430*86	440*480*86	440*480*86
Weight (kg)	11.5	25	31
	7	8	9.5