

# MTP Series

1-10kVA 1-phase/1-phase  
Double Conversion Online (VFI)



## Product

MTP Series is a range of ON-LINE double Conversion technology UPS with 1.0 output power factor and “zero” transfer time, the load is always powered by the inverter, which supplies true sinusoidal voltage that is free from electrical interference.

## High Reliability

MTP Series offers high quality power supply with the greatest degree of availability and reliability

MTP Series is compact and very convenient for users, especially for basic equipment such as PC, Workstation, Network centers, Communication equipments, and other critical systems.

## Extended Back Up Time

Battery expansion is possible to increase the back-up time of the UPS. For longer back-up time, it is available MTP “L” version without internal battery but with powerful battery charger

## Automatic Restart

The UPS is programmed to restart automatically when the mains returns after switching off due to end of back-up time following prolonged power failure.

## Communications

MTP Series comes with an expansion slot for optional communication board which make it compatible with the main communication option: SNMP and Dry contact card

## 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 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 mean it will cause no harm to environment and human beings in normal usage.

## 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

- True double-conversion
- Microprocessor control optimized reliability
- Input power factor correction
- Output power factor 1.0
- Wide input voltage(110V~300)
- Converter mode available
- Generator compatible
- Smart SNMP works well either USB or RS-232

Model	MTP 1101S	MTP 1101L	MTP 1102S	MTP 1102L	MTP 1103S	MTP 1103L	MTP 1106S	MTP 1106L	MTP 1110S	MTP 1110L
Rated Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW		6kVA/6kW		10kVA/10kW	
Input										
Input Formats	L + N + PE									
Nominal Voltage	208/220/230/240VAC									
Input Voltage Range	110-300VAC									
Frequency Range	44-56Hz or 54-66Hz									
Power Factor	≥0.99									
Harmonic Distortion	≤3% THD (Linear Load); ≤5% THD (Non-Linear Load)									
Output										
Output Formats	L + N + PE									
Output Voltage	208/220/230/240VAC									
Voltage regulation	1%									
Frequency Range	Line Mode: Synchronized range, Battery Mode: 50/60 Hz ±1%									
Harmonic Distortion	≤2% THD (Linear Load); ≤5% THD (Non-Linear Load)					≤2% THD (Linear Load); ≤4% THD (Non-Linear Load)				
Power Factor	1.0									
Transfer Time	0									
Overload Capacity	AC Mode: 30min@102%~110% Load 10min@110%~130% Load 30s@130%~150% Load 200ms@>150% Load		attery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load		AC Mode: 30min @102%-105% Load 10min @105%-125% Load 30s @125%-150% Load 500ms @>150% Load		Battery Mode: 10min@102%-105% Load 1min@105%-125% Load 10s@125%-150% Load 500ms@>150% Load			
Efficiency	93%		94%		95.50%					
Battery										
Quantity	7Ah x2(3)		7Ah x 4(6)		7Ah x 6(8)		7Ah x 16 (20)			
Typical Recharge Time	Depending on user needs									
Charging Current	1A to 4A (default 1A)		1A to 12A(default 1A)							
Environment										
Ambient Temperature	0-40 °C									
Humidity	20%-95% (No condensing)									
Storage Temperature	-15~60 °C (Battery: 0-40 °C)									
Altitude	The altitude should not exceed 1,000m, and the height above 1,000m should be reduced to a maximum of 4,000m. Refer to IEC62040									
Indicator										
LCD	Load level, Battery level, AC mode, Battery mode, By-pass mode,									
Physical										
Dimension (mm)	350x145x230		410x190x325			500x240x616		500x240x460	500x248x616	500x240x460
Weight (kg)	18.6	9.0	19	10	25	11	57	18	67.5	20
Management										
Interface	RS232, Intelligent Slot									