ComX Computers
Product Specification Sheet

UPS-MER2000

Tescom MER2000 Mercury 2000VA Online UPS

Product Overview

Tescom MER2000 Mercury 3000VA Online UPS, True online double conversion, Mimic LCD display with multifunction parameter settings & operational status, Support generator input, Cold start function is built-in, 3-level intelligent charging modes, Output power factor 0.9



Specifications

Features:

- True online double conversion.
- Mimic LCD display with multifunction parameter settings & operational status.
- Wide input voltage range for the hashest environment.
- Support generator input.
- Cold start function is built-in.
- Bundled communication software supports Windows application etc.
- Matching battery pack.
- 3-level intelligent charging modes.
- Support economic operation mode.
- Super powerful charger for battery backup extension.
- Output power factor 0,9.
- >90% high efficiency models available.

Specifications:

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Specifications	
Product Code	UPS-MER2000
MODEL	UDC9102S
Phase	Single phase with ground

Capacity	2000VA / 1800W
INPUT	
Rated voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC
Voltage range	55-145VAC or 110-300VAC
Frequency range	40Hz - 70Hz (auto detect)
Power factor	>=0,99
Bypass voltage range high voltage point	For 200/208/220/230/240 VAC models: 230-264: setting the high voltage point in LCD from 230Vac to 264Vac (default 264Vac) For 100/110/115/120/127 VAC models: 115-132: setting the high voltage point in parameter 3 from 115Vac to 132Vac (default 132Vac)
Bypass voltage range low voltage point	For 200/208/220/230/240 VAC models: 170-220: setting the low voltage point in LCD from 170Vac to 220Vac (default 170Vac) For 100/110/115/120/127 VAC models: 95-110: setting the low voltage point in parameter 3 from 95Vac to 110Vac (default 95Vac)
ECO range	Same as the bypass
Generator input	Support
OUTPUT	
Phase	Single phase & Ground
Rated voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC
Power factor	0.9
Voltage regulation	+-1%
Frequency range(Utility. mode)	47-53Hz(for 50Hz) or 57-63Hz(for 60Hz)
Frequency range(batt. mode)	50/60Hz+-0.01Hz
Crest factor	0.125694444444444
THDv	
Waveform	Pure Sinewave
EFFICIENCY	
AC mode (full load)	>89%
BATTERY	
Voltage	48Vdc
Quantity	4pcs
Capacity (standard unit)	12V/9AH
Backup	Long run unit depends on the capacity of external batteries
Recharge time to 90%	4 hours
Charging current (built-in/Max)	1A, Max 12A
	Utility to battery: 0ms, Utility to bypass:
TRANSFER TIME	
PROTECTION	
Overload AC mode	105%-110%:UPS shuts down after 10min at battery mode or transfer to bypass when the utility is normal Ambient temp< 35 C 110%-130%:UPS shuts down after 1 min at battery mode or transfer to bypass when the utility is normal >130% UPS shuts down after 3 sec

Overload bat. mode	105%-110%:UPS shuts down after 1min at battery mode or transfer to bypass when the utility is normal 35 C110% UPS shuts down after 3 sec at battery mode or transfer to bypass when the utility is normal
Overload bypass mode	10A(Input breaker) 16A(Input breaker) 20A(Input breaker)
Short circuit	Hold whole system
Overheat	Line mode: Switch to bypass: Backup Mode: Shut down UPS immediately
Battery low	Alarm and switch off
EPO (optional)	Shut down UPS immediately
Battery	Advanced battery management
ALARM	
Audible & visual	Line failure, low battery, overload, system fault
DISPLAY	
Status LED & LCD	Line mode, backup mode, eco mode, bypass mode, low battery, bad battery, overload and UPS fault
Reading on the LCD	Input voltage, input frequency, output voltage, output frequency, load percentage, battery voltage
PHYSICAL	
Standard Dimension (WxHxD)	144x209x399
Model Weight (kg)	17
COMMUNICATION INT	ERFACE
Communication port	RS232 or USB
Communication slot	SNMP Card, relay card etc
ENVIROMENT	
Operating temperature	0 C-40 C
Humidity	20-90% non condensing
Altitude	< 1500m (derating while >1500m)
Noise	
SAFETY CONFORMAN	CE
	IEC/EN62040-1-1, IEC/EN62040-2

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/UPS-MER2000-Tescom-MER2000-Mercury-2000VA-Online-UPS-p-194898.php

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