

# UNOMAT®

INTERNATIONAL

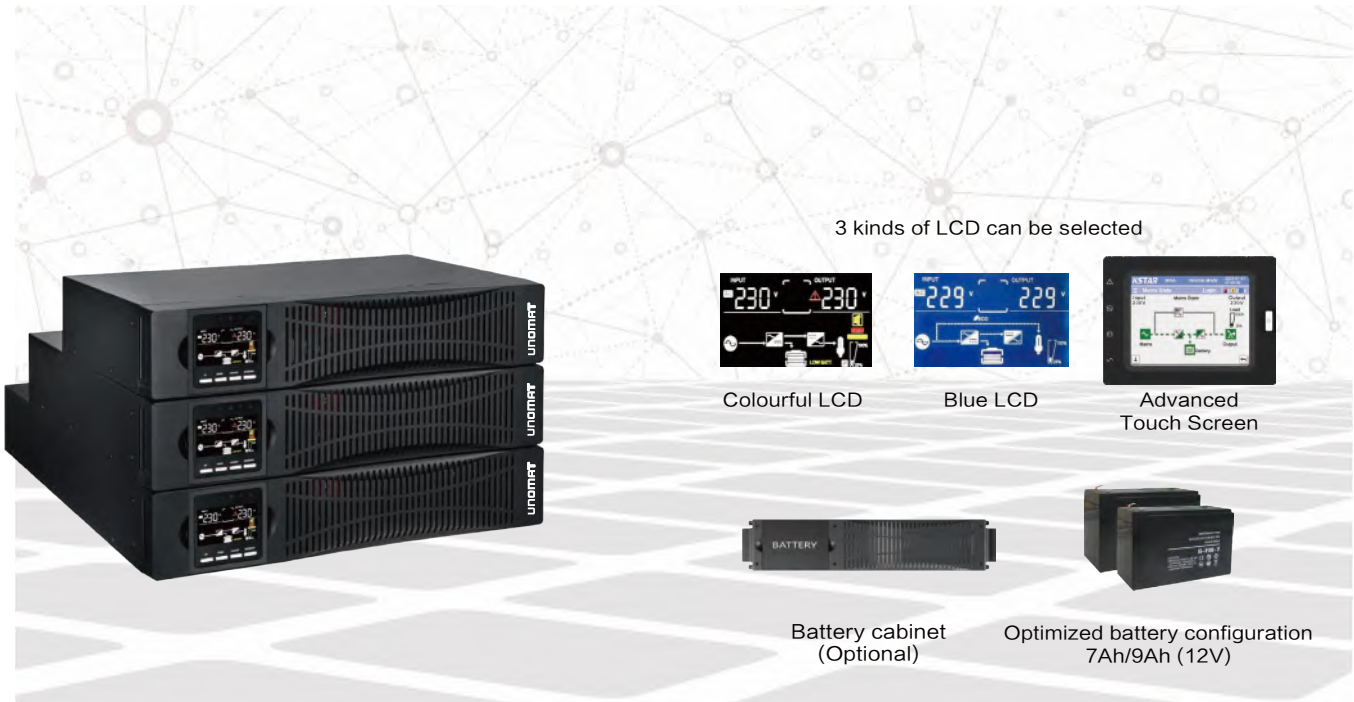


1-Phase Rack/Tower Online UPS  
UM series 1000VA–3000VA

# UM RT Series 1000–3000VA ▶▶

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA ~ 3kVA



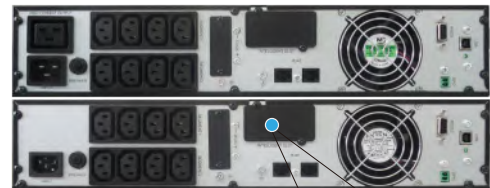
## Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



Multifunctional bracket

The LCD panel can be rotated



Optional socket

Relay card      SNMP

# UM RT Series 1000–3000VA

## Technical Specifications:

MODEL	UM-RT 1000	UM-RT 1500	UM-RT 2000	UM-RT 3000
Capacity	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
<b>INPUT</b>				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110~300Vac (176~264Vac @ 100% load)			
Power factor	≥0.99			
<b>FREQUENCY</b>				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)			
<b>OUTPUT</b>				
Output voltage	208/220/230/240Vac			
Voltage regulation	± 1%			
Power factor	0.9			
Output frequency	46~54Hz or 56~64Hz (50/60 ± 0.1%)Hz			
Crest factor	3:1			
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load			
Transfer time	AC mode to Bat.mode Inverter to Bypass			
	0ms 4ms (Typical)			
Output waveform	Pure Sinewave			
<b>EFFICIENCY</b>				
AC mode	89%	89%	91%	92%
Battery mode	85%	85%	87%	88%
<b>BATTERY</b>				
Battery number	2	3	4	6
Capacity (Standard unit)	9Ah/12V (7Ah/12V Optional)			
Typical recharging time	4 hours (To 90% of full capacity)			
Charging current (Max.)	1A			
<b>INDICATORS</b>				
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault			
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time			
<b>ALARM</b>				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
<b>PHYSICAL</b>				
Dimension (W x D x H)	440x325x86.5mm	440x460x86.5mm	440x460x86.5mm	440 x 600 x 86.5mm
Net weight	11.3kg	16.5kg	19.5kg	26kg
<b>ENVIRONMENT</b>				
Operating temperature	0°C~40°C			
Storage temperature	-25°C~55°C			
Humidity range	20~95%RH @ 0~40°C (Non condensing)			
Altitude	<1500m,derating required when>1500m			
Noise level	<50dB at 1 Meter			
<b>STANDARDS</b>				
Safety	IEC/EN62040-1,IEC/EN62477-1			
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design