Trim 3K RT Series

1-3kVA / 1:1 / PF:0.9

3 kinds of LCD can be selected

Colourful LCD

Gray LCD

Blue LCD

Battery cabinet
(Optional)

Optimized battery configuration
7Ah/9Ah (12V)

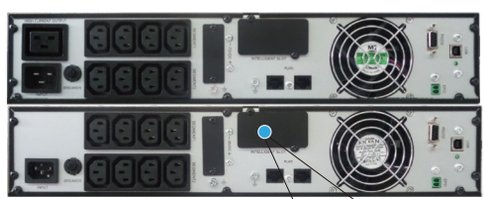
Deltron TRIM 3K RT Series is a single-phase standalone 1-3KVA UPS solutions with option for which integrates true double-conversion design, DSP technology to provide clean high-level quality power as well as better voltage conditions to different application especially for smallest of loads. Deployment is very flexible, tower and rack-mounted can be configured according to customer's requirement. When UPS is on battery mode, it can shut down unnecessary load and extend the backup time of the critical load. It has been widely used for critical domestic and office facilities

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

Multifunctional
bracket

The LCD panel can
be rotated



Optional socket

Relay card

SNMP

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Deltron
Inspiring the future

Technical Specifications:

MODEL		TR1k H-RT		TR1k S-RT		TR2k H-RT		TR2k S-RT		TR3k H-RT		TR3k S-RT
Capacity		1000VA / 900W				2000VA / 1800W				3000VA / 2700W		
INPUT												
Nominal voltage		208/220/230/240Vac										
Input voltage range		110~300Vac (176~280Vac @ 100% load)										
Power factor		≥0.99										
FREQUENCY												
Frequency range		40~70Hz (50/60Hz Auto-Sensing)										
OUTPUT												
Output voltage		208/220/230/240Vac										
Voltage regulation		±1%										
Power factor		0.9										
Output frequency	Line mode	46~54Hz or 56~64Hz										
	Bat. mode	(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	0ms										
	Inverter to Bypass	4ms (Typical)										
Output waveform		Pure Sinewave										
EFFICIENCY												
AC mode		89%				91%				92%		
Battery mode		85%				87%				88%		
BATTERY												
Battery number		2	3	2	3	4	6	4	6	6	8	6
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)										
Typical recharging time		4 hours (to 90% of full capacity)										
Charging voltage		27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	109.6Vdc±1%	82.2Vdc±1%
Charging current (Max.)		6A/12A		1A		6A/12A		1A		6A/12A		1A
INDICATORS												
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										
ALARM												
Battery mode		Beeping every 4 seconds										
Battery low		Beeping every second										
Overload		Beeping twice every second										
Fault		Continously beeping										
PHYSICAL												
Dimension W x D x H (mm)		440 x 325 x 86.5			440 x 460 x 86.5	440 x 600 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		
Net weight (kg)		5.6	11.3	14		10.5		19.5	25	11		26
ENVIRONMENT												
Operating temperature		0℃~40℃										
Storage temperature		-25℃~55℃										
Humidity range		20~95%RH @ 0~40℃ (Non condensing)										
Altitude		<1500m,derating required when>1500m										
Noise level		<50dB at 1 Meter										
STANDARDS												
Safety		IEC/EN62040-1,IEC/EN 62477-1										
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8										

Specifications are subject to change without prior notice.
When output voltage is 208Vac,need to derate to 80% of the unit capacity.

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