

RT Series UPS 1 - 3 kVA 120 Vac with Battery



Online double conversion UPS with built-in charger. UPS convertible from rack to tower.

cTUVus certified.

Extend backup runtimes by adding up to four hot swappable battery packs each with independent built-in charger.

UPS RT Series UPS is the ideal power system for Small Medium Enterprise (SME) servers, computers and communication systems.

FEATURES

Clean power

Online double conversion UPS with sine wave output
Frequency converter mode

Low energy consumption

High input power factor of 0.98% minimizes energy consumption
Line-interactive ECO Mode available for increased energy savings

Advanced battery management

Intelligent three stage charging
LCD displays estimated battery runtime
Tests for battery capacity

Flexible and compatible

2U rack to tower convertible - LCD rotates at the push of a button
Wide input Vac compatible with low grid or generator voltage
PC management software included

Power Options

Matching RT Series Battery Pack
Rack mount kit

Management Options

Relay card
SNMP card
Modbus Card

ONLINE DOUBLE CONVERSION UPS

RT Series UPS 1 - 3 kVA 120 Vac with Battery

Model	RT 1101UL-B	RT 1101.5UL-B	RT 1102UL-B	RT 1103UL-B
Capacity kVA / kW	1 / 0.8	1.5 / 1.2	2 / 1.6	3 / 2.4
Charge current	1.4 A			
Battery	24 Vdc (2 x 12V 9AH)	36 Vdc (3 x 12V 9AH)	48 Vdc (4 x 12V 9AH)	72 Vdc (6 x 12V 9AH)
Backup time	≤4.2 minutes at full load, estimated backup time displayed on LCD			
AC outlets	In: NEMA 5-15P (1) Out: NEMA 5-15R (6)		In: NEMA 5-20P (1) Out: NEMA 5-20R (6)	In: NEMA L5-30P (1) Out: NEMA 5-20R (6)
Net weight Kg	15.1	18.1	22.2	25.5
H x W x L mm	86.5 x 440 x 430		86.5 x 440 x 572	86.5 x 440 x 692

AC Input

Rated voltage	110/115/120 Vac (1 Phase + Neutral + Ground)
Voltage range	55 - 145 Vac
Input power factor	≥ 0.98
Input frequency	45 - 65 Hz (auto)
Current THD	< 7 % at full load, non-linear
Bypass range	V max +15 %, V min -45 %, ±10 % Hz

AC Output

Rated voltage	110/115/120 Vac (1 Phase + Neutral + Ground)
Efficiency	AC mode > 90 %, ECO mode > 94% , battery mode > 85 %
Output frequency	50Hz or 60 Hz synchronous with the network / 50 Hz or 60 Hz ±0.2 % selectable for battery mode or frequency converter
THD	≤ 3 % linear load, ≤ 5 % non-linear load

General Specifications

Communication	RS232, USB, communication slot
Protocol / Software	Megatec / UPSilon2000 (PC software included)
Temperature	Operating 0 to +40 °C, Storage -25 to +55 °C
Altitude	> 1500 m output is de-rated
Humidity	≤ 90 % non-condensing

Standards

Safety / EMC	UL 1778, CSA 22.2 / FCC Part 15 Class A
Certification	cTUVus

RT Series Battery Pack for 1 - 3 kVA 1 UPS

Model	RT 01UL 04-009-24-BP-B	RT 01.5UL 06-009-36-BP-B	RT 02UL 08-009-48-BP-B	RT 03UL 012-009-72-BP-B
Use with	RT 1101UL-B	RT 1101.5UL-B	RT 1102UL-B	RT 1103UL-B
Built-in charger DC	2 A max (power cord with 120 Vac wall plug)			
Battery	24 Vdc (4 x 12V 9AH)	36 Vdc (6 x 12V 9AH)	48 Vdc (8 x 12V 9AH)	72 Vdc (12 x 12V 9AH)
Backup time	≤12.3 minutes at full load, estimated backup time displayed on LCD			
Net weight kg	12	15	22	32
H x W x L mm	86.5 (2U) x 440 x 430		86.5 (2U) x 440 x 572	86.5 (2U) x 440 x 710
Certification	cTUVus			