

RT Series UPS 6 - 10kVA UL

(208/240 Vac 1 Ph/2 Ph Input with 208/240 Vac 1 Ph Output)



Online double conversion UPS with 208/220/230/240 Vac 1 or 2 phase input and 208/240 Vac 1 phase output. RT Series UPS is convertible from rack to tower.

Matching stepdown transformer with 208/120 Vac 1 phase output and matching battery pack are available.

RT Series UPS is an 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 supported

Low energy consumption

Efficiency up to 93.5%
High input and output power factor minimizes energy consumption
Line-interactive ECO mode available for increased energy savings

Advanced battery management

Intelligent three stage charging up to 10A
Tests for battery capacity
Common battery supports up to four UPS in parallel mode

Flexible and compatible

2U rack to tower convertible with rotating LCD mimic display
Wide input Vac compatible with low grid or generator voltage
PC management software included

Power Options

Matching RT Series Battery Pack
Matching RT Series Output Transformer
Rack mount kit

Management Options

Relay card
SNMP card
Modbus Card

ONLINE DOUBLE CONVERSION UPS**RT Series UPS 6 - 10kVA UL**
(208/240 Vac 1 Ph/2 Ph Input with 208/240 Vac 1 Ph Output)

UPS	RT 1106E-UL	RT 1110E-UL
Capacity AC kVA/kW	6 kVA / 5.4 kW	10 kVA / 9.0 kW
Charge current DC	10 A max, set according to installed battery capacity	
H x W x L mm	86.5 (2U) x 440 x 615	
Weight Kg	13	15

AC Input

Phase	1 Ph (L+N+PE) or 2 Ph (L1+L2+PE)	
Rated Vac	208/220/230/240 Vac	
Range Vac	120-276 Vac	
Frequency range	45-55 Hz / 54-66 Hz (auto sensing)	
Power factor	≥ 0.99 (at nominal voltage, 100 % load)	
Current THD	≤ 3 % at 100 % linear load, ≤ 5 % at 100 % non-linear load	
Bypass range	220 V max +25 %, 230 V max +20 %, 240 V max +15 %, all V min - 45 %, Hz max +10 %, Hz min -10 %	
Input connection / breaker	Hardwire terminal / 40 A breaker	Hardwire terminal / 63 A breaker

AC Output

Phase	1 Ph (L+N+PE)	
Rated Vac	208/220/230/240 Vac ±1 %	
Frequency Utility Mode	Synchronized to mains	
Frequency Battery Mode	50/60 Hz ±0.1 %	
Crest factor	3:1	
THD	≤ 2 % with linear load, ≤ 5 % with non-linear load	
Efficiency	93.5 %	
Output connection	Hardwire terminal	

Battery Input

Voltage	±96/±108/±120 Vdc	
External connection	Anderson modular connectors	

General Specifications

Communication	USB, RS232, EPO port, parallel ports, communication slot
Protocol / Software	Megatec / UPSilion 2000 (PC software included)
Noise	<55 dB at 1 m
Temperature	Operating 0 to +40° C, Storage -25 to +55° C
Altitude	<1500 m correction factor 1.0, <2000 m correction factor 0.95, <3000 m correction factor 0.85
Humidity	≤95% non-condensing

Standards

Safety	UL 1778, IEC/EN 62040-1, IEC/EN 60950-1
EMC	FCC Part 15, IEC/EN 62040-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8

© Keatec Energy. All rights reserved. Keatec Energy reserves the right to change specifications without notice.
DS Keatec Keatec RT Series UPS 6-10kVA UL (208-240V 1-2Ph Input 208-240V 1Ph Output) - RT Series Trans-
former 208-120V 1Ph Output - RT Series Battery Pack UL English 20180918

ONLINE DOUBLE CONVERSION UPS

RT Series Transformer 6 - 10kVA

208/120 Vac 1 Ph Output

Transformer	RT 06XFR-EA	RT 10XFR-EA
Topology	Isolation, Step Down Transformer, Sine Wave	
H x W x L mm	86.5 (2U) x 440 x 685	132 (3U) x 440 x 677
Weight Kg	46.5	74

AC Input

Phase	1 Ph (L+N+PE)	
Rated Vac	208 Vac (default), 240 Vac (selectable)	
Frequency	50-60 Hz (selectable)	
Current max	26 A (208 Vac), 22.5 A (240 Vac)	44 A (208 Vac), 37.5 A (240 Vac)
Current THD	≤ 3% at 100% linear load, ≤ 5% at 100% non-linear load	
Input connection	Cable (to UPS input terminal) / 30 A breaker	Cable (to UPS input terminal)

AC Output

Phase	1 Ph (L+N+PE)	
Rated Vac	208 & 120 Vac (default), 240 Vac (optional)	
Power capacity	5.5 kVA/5.0 kW	8.9 kVA/8.0 kW
Frequency	Synchronized to UPS	
Efficiency	> 95%	
Transformer protection	8 A breaker	8 A breaker

Receptacles / Breakers

Output	n/a	Hardwire / 50 A breaker
Load 1	NEMA L6-30R (1) / 30 A breaker	NEMA L6-30R (1) / 30 A breaker
Load 2	NEMA L6-20R (1) / 20 A breaker	NEMA 5-20R (4) / 20 A breaker
Load 3	NEMA 5-20R (3) / 20 A breaker	NEMA L6-20R (1) / 20 A breaker
Load 4	NEMA 5-20R (3) / 20 A breaker	NEMA 5-20R (4) / 20 A breaker

RT Series Battery Pack UL

for RT UPS 6-10kVA UL

Battery Packs	RT 06E 20-007-120 BPX-B-UL	RT 10E 20-009-120 BPX-B-UL
Voltage	±120 Vdc	
Internal batteries	20 x 7 Ah 12V	20 x 9 Ah 12V
Backup time	<5.3 minutes at full load, estimated backup time displayed on LCD	<3.4 minutes at full load, estimated backup time displayed on LCD
External connection	Battery pack with back access and Anderson type connector	
Net weight kG	65 (approx.)	71 (approx.)
Dimensions H x W x L mm	131 x 443 x 585 (3U x 19")	131 x 443 x 585 (3U x 19")

Standards

Safety	UL 1778
--------	---------

© Keatec Energy. All rights reserved. Keatec Energy reserves the right to change specifications without notice.
 DS Keatec Keatec RT Series UPS 6-10kVA UL (208-240V 1-2Ph Input 208-240V 1Ph Output) - RT Series Transformer 208-120V 1Ph Output - RT Series Battery Pack UL English 20180918