



RP 6KVA - 10KVA

High Frequency Online UPS Rack Tower Convertible

RP Series 6KVA - 10KVA (1ph in / 1ph out)

Key Features:

- Manual Rotatable LCD Screen
- Rack Tower Convertible Design
- Different Power Configuration Flexibility To Achieve a Multi - purpose Machine, Power Customized Available
- Selectable Digital Charger Form 1A ~ 12A, Match For Different Appliance
- Wide Input Voltage Range : 208 / 220 / 230 / 240Vac For Option
- High Efficiency up to 95.5%, Lower Power Loss and Save Cost
- Output Power Factor up to 1.0, As an Industry Leader, Super High Load Efficiency
- Green Power ECO Mode, Power Efficiency up to 98.5%
- Smart Adjustable Setting, Support Voltage Compensation of Output to Transformer



Applications:

- **IT and Network Equipment**
Small and medium-sized data centers
Computer server room
Production line control in factory
- **Embedded and Automatic Control System**
Telecommunication base station Automatic control system
Electronic and railway signaling systems security system
Television broadcast system
- **Office and Business Equipment**
Office computer and Printer
Scanner and MPOS

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Technical Specification:

Model	RPEK	RPEKL	RP10K	RP10KL
Rated Capacity	6KVA / 6KW		10KVA / 10KW	
INPUT				
Input Formats	L + N + PE			
Rated Input Voltage	208 / 220 / 230 / 240Vac			
Voltage Range	110 – 300Vac (110 – 176Vac, 280 – 300Vac Power Limited)			
Frequency Range	50 / 60Hz ± 60Hz, ± 10Hz(Selectable)			
Input Power Factor	≥0.99			
Input Harmonic Distortion	≤5% THD(Line Load), ≤8% THD(Non-linear Load) PF=0.8			
OUTPUT				
Output Formats	L + N + PE			
Output Voltage	208 / 220 / 230 / 240Vac			
Output Accuracy	±1%			
Output Frequency	Online Mode : According to AC,		Battery Mode : 50 / 60Hz ± 1%	
Output Harmonic Distortion	≤2% THD(Line Load), ≤5% THD(Non-linear Load) PF=0.8			
Output Power Factor	1.0			
Switching Time	0ms (W/O ECO Function)			
Load Capacity	AC Mode: 30min@102% ~ 110% Load 10min@110% ~ 130% Load 30s@130% ~ 150% Load 600ms@>150% Load		Battery Mode: 10min@102% ~ 110% Load 1min@110% ~ 130% Load 10s@130% ~ 150% Load 600ms@>150% Load	
MACHINE EFFICIENCY				
AC Mode	Maximum Efficiency 95.5%, Full Load Efficiency 95%			
Battery Mode	Maximum Efficiency 95.3%, Full Load Efficiency 94.8% (20Pcs Batteries)			
CHARGER				
Battery Quantity	Adjustable from 16 / 18 / 20pcs, Default 18Pcs (Refer 4.4 for Details)			
Battery Type	Lead Acid Battery			
Charge Current	Adjustable from 1 ~ 12A (PF=0.8, Adjustable 1-8A), Default 1A			
Charging Mode	Two / Three Period Charging			
WORKING ENVIRONMENT				
Ambient Temperature	0 ~ 40°C			
Ambient Humidity	20% ~ 95% (No condensation)			
Storage Temperature	-15 ~ 60°C (Battery : 0 ~ 40°C)			
Altitude	<1000m, derating at above 1000m, maximum 4000m, Refer to IEC62040			
DISPLAY				
LCD	Working Mode / Load / Battery Power / Input / Output ect.			
STANDARD & CERTIFICATION				
Standard & Certification	EN / IEC 6100, EN / IEC 62040, GB / T4943, TD / T1095, TLC etc.			
COMMUNICATION INTERFACE				
Interface	1*USB, 1*RS232, 1*EPO			
N.W(KG)	9.5kg (PF=1.0) Not Include Battery Pack		10.25kg (PF=1.0) Not Include Battery Pack	
G.W(KG)	11.45kg (PF=1.0) Not Include Battery Pack		12.2kg (PF=1.0) Not Include Battery Pack	
Machine Size(mm)	Rack Mount UPS Case Size : 438*88*470 mm ; Battery Pack Case Size: 438*88*690 mm			
Package Size(mm)	570*595*230	570*595*230	570*595*230	570*595*230
*Product Specifications are Subject to Change Without Notice.				

RP Series Online High Frequency UPS:

The 1-10KVA RP series online high frequency UPS takes the three-level technique and soft switch design, with the active power factor correction (APFC) to make the input PFC can be high as 0.99, The new design make our RP series with high energy density ratio, reduce the UPS machine size very much, and also less occupy the space in the server room. The digital control make UPS with much more stable system, and also have the well ability of self-defensive and fault diagnosis.

SAVE POWER

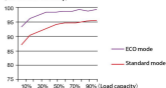
- At present, the efficiency of some brands in the market is generally between 80% ~ 93%.
- Take our SVC 3KVA and 6KVA as a sample, compared with the model which the efficiency is 90% in the market.
- Saving fee per year for 3KVA
($0.1 + 55 - 0.9$) * 3000W * 24 hours * 365 day = 1445Kwh



HIGHER EFFICIENCY

- 1 - 10KVA, the maximum efficiency is up to 95.5% in ECO mode, the efficiency is up to 98.5%, saving energy and electricity for you.

(Full machine efficiency)



The diagram of 1-10K efficiency under mains supply

HIGHER DESIGN STANDARDS

- All models are designed to comply with standards EN/IEC 6100, EN/IEC 62040, GB/T7260, GB/T4043, YD/T1095, TLC, which greatly reduces the interference to the power grid and the equipment used, and protects the user's equipment well.

CHARGING CURRENT & FREQUENCY

- All models of this series can support 1A ~ 12A charging current, and can flexibility configure battery combinations with different capacitances.
- Frequency can be setup in 50Hz / 60Hz \pm 10Hz, with wider frequency adjustable range to match the input characteristics of the generator.

CAN CONNECTED WITH MULTIPLE BATTERY PACK IN PARALLEL

- Long back up UPS can be freely connected with the battery pack, not only save the space, we also can increase the battery pack's quantity (Max.15pcs battery pack), to meet the different users' need.



Rack mount UPS



Battery Pack