

# RaptorX Modules

Modular UPS Systems

---

Modular UPS Systems 60kVA - 900kVA  
3 Phase 200V / 208V / 220V

## True Online Modular UPS 60kVA - 900kVA



Each system contains a monitoring/bypass module, an enclosure, and up to 10 x 30kVA UPS modules. Up to three 300kVA systems can be put in parallel.

Rack, modular, scalable, hot-swappable, true online double conversion UPS systems ranging from 60kVA to 900kVA. The RaptorXModule UPS System is ideal for rugged and commercial data centers, shipboard applications, and other mission critical environments.

Up to 94% Efficient  
Hot Swappable  
Low 1.5% THD  
Intuitive HMI



30kVA UPS Module  
30kVA Power Modules  
N+10 up to 300kVA



## True Online Modular UPS 30kVA - 900kVA

Enterprise level system management with an 11" LCD touch screen HMI



## Mission Critical Features

### N+X Modular Design

System built with modular 30kVA UPS units up to 300kVA

### Parallel Operation

3 x 300kVA UPS systems can be run in parallel

### Waveform Recording

Record, save, and diagnosis UPS faults for further analysis.

### Intuitive HMI Display

11" Color LCD to manage and monitor the entire system.

### Intelligent Charging

Intelligent charging & discharging control for max battery life

### Dry Contacts

Client programmable dry contacts with simple GUI.

### Low 1.5% THD

Less than 1.5% THD attached to a linear load.

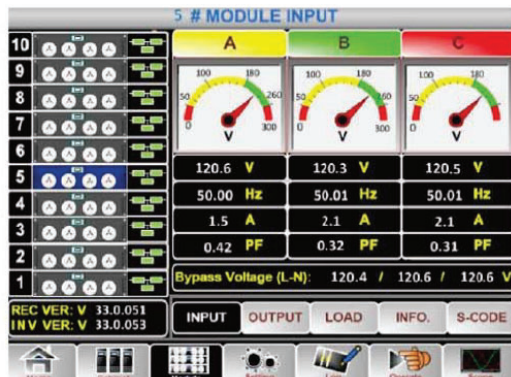
### Frequency Range

Wide 40Hz to 70Hz input avoids unnecessary shutdowns.

### Remote Management

Remote control and monitoring via SNMP interface.

## True Online Modular UPS 10kVA - 900kVA

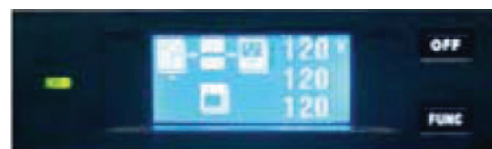


### 11" LCD Touch Screen for System Monitoring

Display comprehensive graphical data of the total system and individual UPS modules. The intuitive interface allows for phase monitoring, frequency monitoring, current consumption, power factor efficiency, bypass status, display fault logs, inverter status, rectifier status and more.

### LCD Panel Meter for Each 30kVA UPS Module

Each 30kVA UPS module has an independent LCD monitor, giving the user an overview of status data and alarms in real time.

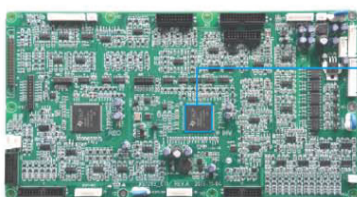


### Intuitive Critical Component Monitoring

In each power module, information and status of critical components is monitored and displayed in realtime, giving users a complete internal system overview, maintenance scheduling and comprehensive temperature monitoring and alarming for abnormal conditions. Monitor batteries, bus voltage, fan time and status, capacitor run time, inverter status, IGBT temperature, and more.

## True Online Modular UPS 10kVA - 900kVA

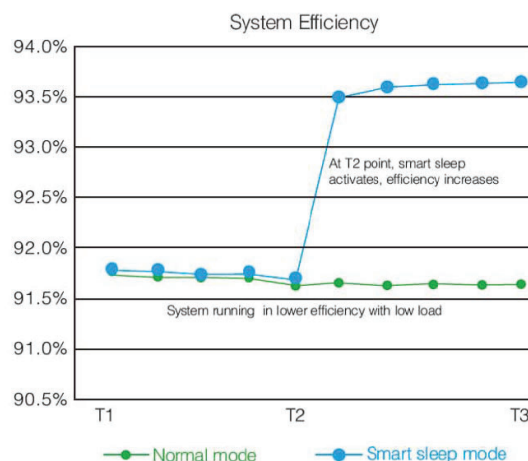
### Critical Waveform and Fault Recording



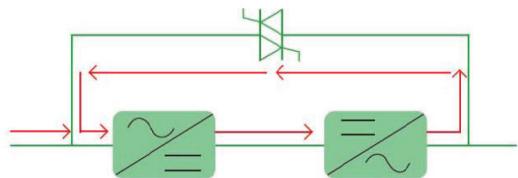
UPS can record and save data of power parameters when a fault occurs for further analysis. The data is presented as waveform and tabular data. Easily identify root causes of failures and faults.

### Smart Sleep / ECO Mode

Smart sleep function intelligently puts power modules to sleep when the load is relatively low, improving the efficiency of the remaining power modules, saving resources on power and cooling costs.



### Self-Aging / Load Simulation



Self-Aging is an advanced function available in all UPS modules. Self-Aging tests the UPS under different load conditions without having to attach real load, saving more than 90% energy usage.

MODEL	RXM 060/30 X	RXM 120/30X	RXM180/30X	RXM300/ 30X
Capacity	60kVA	120kVA	180kVA	300kVA
Power Module	PD30X(30kVA/27kW)			
INPUT				
Phase	3 Phase + Neutral + Ground, 200V / 208V / 220V (Line to Line)			
Voltage Range	166 ~ 261 Vac (Line - Line), Full Load; 166 -124Vac (Line - Line), Load Derated From 100% - 75 % Linearly			
Frequency Range	40Hz - 70Hz			
Power Factor	> 0.99			
THDi	< 3 % ( Full Linear Load)			
OUTPUT				
Voltage	200V / 208V / 220V ( Line to Line)			
Voltage Regulation	± 1.5%			
Power Fator	0.9			
THDu	< 1.5 % ( Linear Load), < 6% (Non- Linear Load)			
Frequency Range	50 /60 Hz			
Overload Capability	110% for 60 Min; 125% for 10 min; 150% for 1 min; > 150% for 200ms			
BATTERY				
Voltage	± 120 VDC			
Charge Power	20 % * System Power			
Charge Voltage Precision	1%			
SYSTEM				
System Efficiency	Normal Mode: 94%; Battery Mode: 94%			
Display	Color LCD Touch Screen + LED + Keyboard			
IP Class	IP20			
Interface	Standard: RS2632, RS485, Dry Contacts (Programmable) Option: SNMP, AS400, Parallel Kit, Battery Cold Start ( Standard for 180k VA and 300kVA), Lightning Protection Cpmponents, Dust Filter, LBS			
Operation / Storage Temperature	0-40 °C / -40-70°C			
Relative Humidity	0 - 95 % (Non - Condensing)			
Nosie	68 dB @ 100% Load 65 dB @ 45% Load	72dB @ 100% Load, 69dB @ 45% Load		
PHYSICAL				
Cabinet Weight (lb)	210	350	490	900
Power Module Weight (lb)	45			
Cabinet Dimensions	23.6" x 38.6" x 45.2"	25.6" x 37.8" x 63"	25.5" x37.8" x 78.7"	51.2" x 43.3" x 78.7"
Power Module Dimensions	20" x 27.55 x 7"			