

PW-M Series Rack-Mounted Modular Online UPS 10-90kVA (380V/400V/415V)

The rack modular, scalable, hot-swappable, online double conversion UPS ranging is from 10 to 90kVA, with its flexible configuration of 3/3, 3/1 and 1/1, compact structure, is the ideal choice for small and medium data Centre.



Features

Rack modular design

Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

High power density

10/15kVA power module in 2U height, saving great amount of space, easy for capacity expansion

Integrated solution for data Centre

UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data Centre

Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

Flexible configuration

The system based on 10kVA power module can be configured to 3/3, 3/1 and 1/1 without derating

Friendly interface

7" touch colour LCD with graphic display, more information displayed and easier for customer to operate

Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

Self-ageing mode

Energy internal circle technology, system can run with full load ,saving more than 90% energy

Specification										
MODEL			PM060/10X	PM040/10X	PM030/10X	PM020/10X	PM090/15X	PM045/15X	PM030/15X	
System Capacity			60kVA	40kVA	30kVA	20kVA	90kVA	45kVA	30kVA	
Power Module Capacity			10kVA/10kW				15kVA/15kW			
Input	Dual Input	Standard								
	Phase	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)								
	Input Voltage Range	304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage								
	Rate Frequency	50/60Hz								
	Input Frequency Range	40Hz ~ 70Hz								
	Input PF	>0.99								
	Input THDi	<4% (100% Linear load)								
Bypass	Rate Voltage	380/400/415Vac (line-line)								
	Rate Frequency	50/60Hz								
	Input Voltage Range	Settable, -40% ~ +25%								
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz								
	Bypass Overload	125% long term operation; 130% for 10mins ; 150% for 1 min; >150% for 300ms				110% long term operation; 130% for 5mins 150% for 1 min; >150% for 300ms				
Output	Rate Voltage	380/400/415Vac (line-line)								
	Voltage Regulation	1% for balance load; 1.5% for unbalance load								
	Rate Frequency	50/60Hz								
	Frequency Precision	0.1%								
	Output PF	1								
	Output THDu	<1% , Linear load; <5.5%, Non-linear load								
	Crest Factor	3:1								
Battery	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms								
	Voltage	±240Vdc								
	Battery Number	40pcs (Settable: even number from 32 to 44)								
	Voltage Precision	±1%								
	Charge Power	up to 20% * Output active power								
System	Battery Cold Start	Optional								
	Efficiency	AC Mode	95.0%							
		ECO Mode	98.0%							
		Battery Mode	94.5%							
	Display	7.0" color touch screen LCD + LED + keyboard								
	IP Class	IP 20								
	Interface	RS232,RS485, Programmable Dry Contact								
	Option	SNMP Card, Parallel kit, SPD, Power module with battery cold start function								
	Temperature	Operation: 0 ~ 40 °C Storage: -40 ~ 70 °C								
	Relative Humidity	0 ~ 95% Non-condensing								
	Altitude	<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise								
	Noise (1 meter)	56dB @ 50% load								
Physical	Applicable Standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3							
	Weight (kg)	Cabinet	70	51	55	42	70	55	42	
		Power module	15.3				15.5			
	Dimension W*D*H(mm)	Cabinet	485*751*1033	485*697*575	485*751*575	485*697*398	485*751*1033	485*751*575	485*697*398	
Power module		436*590*85								