

PW-M Modular SERIES

Industrial
Processes



Financial



Telecom



Medical



Networks



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



General Specifications :

- High frequency and double conversion on-line technology
- Advanced PFC technology
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized microprocessor control (DSP)
- Advanced battery management
- Lightning and surge protection, short circuit and overload protection
- LCD and LED display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot

Technical Specifications

Capacity	PW-M 3310-20	PW-M 3310-40	PW-M 3310-60	PW-M 3315-30	PW-M 3315-45	PW-M 3315-90
	10kW-60kW			15kW-90kW		
Main Input						
Input voltage	380V/400V/415V(line to line) 220V/230V /240V(line to neutral)					
Input frequency	50/60Hz					
Power factor	>0.99					
Input voltage window	up 276Vac; down -40% (-20%,-30%, -40% selectable) -20%~-40% rated power derating from 100%~80%					
Frequency window	40-70Hz					
Input current THDi*	<4%					
Battery						
Battery voltage	±240VDC					
Charger power	20%*Active Power					
Charger voltage precision	1%					
Bypass						
Bypass voltage	380V/400V/415V(line to line)					
Bypass voltage window	-20%+15% default; -40%+25% selectable					
Bypass overload capability	125%, long time operation			110%, long time operation		
	125%< load <130%, last for more than 10 mins			110%< load <130%, last for more than 5 mins		
	130%<load<150%,last for more than 1 min			130%<load<150%,last for more than 1 min		
	load>150%, last for more than 300ms			load>150%, last for more than 300ms		
Output						
Output voltage	380V/400V/415V(line to line) 220V/230V/240V(line to neutral)					
Voltage precision	1.5%					
Voltage THD(Total Harmonic Distortion)*	THD<1%(linear load),THD<5.5%(nonlinear load)					
Power factor	1					
Phase tolerance	120°±0.5° (balance and unbalance load)					
Crest factor	3:1					
Overload capability	<102%, long time					
	110%, transfer to bypass after 60minutes					
	125%, transfer to bypass after 10 minutes					
	150%, transfer to bypass after 1 minute					
	>150%, transfer to bypass after 200ms					
System						
System efficiency*	Normal mode: 95%max					
	ECO mode: 99%					
Battery mode efficiency*	94.5%					
Display	7" touched colorful LCD+LED					
IP class	IP20					
Interface (Communication Ports)	RS232,RS485,Dry contactor,SNMP card(optional),EPO,Parallel					
Installation/Connection	Back or bottom cable entry					
Operation temperature	0-45°C					
Storage temperature	-40°C~70°C					
Relative humidity	0-95% (non-condensing)					
Noise(dB)(1m away from front)	56dB(one module)			58dB(one module)		
Dimension(W*D*H)mm**	485*697*398(7U)	485*697*575(11U)	485*751*1033(21U)	485*697*398(7U)	485*751*575(11U)	485*751*1033(21U)
	42/58	51/68	85/102	42/58	57/74	85/102
Net/Package Weight(kg)	Power module: PW-M 3310		436*590*85mm/15.3/16	PW-M 3315	436*590*85mm/15.5/16	
*Tested in 3/3 mode **Typical dimension. Please refer to user manual if need detailed dimension.						
PW-M 3310 can be set as 1/1, 3/1, 3/3 and 1/3 power connection, 3/3 default. PW-M 3315 power module can only be connected as 3/3.						

* Specifications are subject to be changed without prior notes

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