Premium featured MODULAR UPS

XMOD
10KVA-60KVA

Data Center

PF = 1
Higher load power capacity

LOW HIGH
High Efficiency 99%

Emergency Power Backup

XMOD series modular UPS is standard 19” modular, scalable, hot-swappable, online double conversion UPS ranging from 10-60kVA with flexible configuration of 3/3, 3/1 and 1/1, the compact and high-power density structure is convenient to integrate with ICT equipment to be the ideal choice for small and medium data center.

The PM10X Power Module is based on a 2U height 10kVA/kW design which can be inserted into the frame of 20, 40, 60kVA max power capacity with the setting of N+1 and N+X power redundancy. More than that, the modules will be standby or off to save energy while load percent is low.The function of parallel up to 4 units makes the power safety more resilient.

Lowest TCO design, from installation to maintenance, the XMOD series modular UPS is equipped with different features to support owner spending lower cost. The compact and standard 2U design uses smaller footprint and space. High efficiency up to 99% (ECO mode), unity power factor and smart sleep function saving the bill of electricity cost and control the expenditure in long-term.

FORTRON/SOURCE

MODULAR UPS | XMOD

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GENERAL FEATURES

- Modular design, 19” standard rack cabinet
- Unity output power factor
- Modular design and parallel up to 4 units to lower MTTR
- High scalability
- High efficiency 99% ECO Mode
- N+1 or N+X Parallel Redundancy for power guarantee
- Ease of installation and maintenance
- 7” touch color LCD with graphic display
- Flexible battery configuration adapts to different applications
- High overload capability

MODEL	XMOD 20KW	XMOD 40KW	XMOD 60KW
PHASE		1P/1P, 3P/1P, 3P/3P	
TOTAL CAPACITY*	20KW	40KW	60KW
UPS POWER MODULES	2	4	6
TOPOLOGY			
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%	
OUTPUT			
Output Voltage		380V/400V/415V(line to line)	
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 unalance load)	
Crest Factor		3:1	
Overload Capabiltiy		<102%, long time	
		60mins for 110%, 10mins for 125%, 1min for 150%, and 200ms for >150%	
BYPASS			
Bypass Voltage		380V/400V/415V(line to line),220V/230V/240V(line to neutral)	
Bypass Voltage Window		-20%-+15% default	
		-40%-+25% selectable	
Bypass Overload Capabiltiy		125%, long time operation	
		125%< load <130%, last for more than 10 mins	
		130%<load<150%,last for more than 1 min	
		load>150%, last for more than 300ms	
EFFICIENCY			
System Efficiency*		Normal mode: 95%max, ECO mode: 99% -	
Battery Mode Efficiency*		94.5%	
ENVIRONMENT			
Operation Temperature		0-45℃	
Relative Humidity		0-95% (non-comdensing)	
Noise(dB)(1m away from front panel)		56dB(one module)	
IP Class		IP20	
PHYSICAL			
Dimension(W*D*H)mm**	485*697*398(7U)	485*697*575(11U)	485*751*1033(21U)
Net/Package Weight(kg)	42/58	51/68	85/102
OTHERS			
Communication Ports		RS232,RS485,Dry contactor,SNMP card(optional),EPO,Parallel	
Safety		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3	

* Product specifications are subject to change without further notice.

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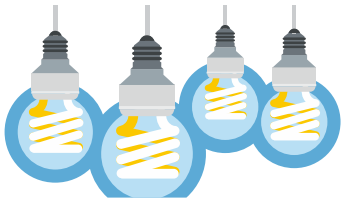


ENERGY SAVING

High efficiency online double conversion technology

XMOD is applied online double conversion technology with high performance 99% at ECO mode. It significantly reduces overall Total Cost of Ownership (TCO).

N+1 or N+X parallel redundancy for power guarantee

Scalable architecture allows you to optimize cost expense to meet power demands by vertically expanding in a single rack enclosure from 10kVA to 60kVA and achieve N+1 or N+X redundancy in the same rack.

Modular design lowers MTTR

Modular design is applied in power module, STS module and battery module. It will simplify maintenance and replacement with low MTTR (Mean Time To Repair).

High scalability

DSP control provides an improved solution with high performance. Integrated with modular design and parallel technology, XMOD simplifies future power expansion.

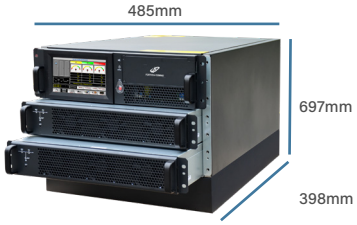
Ease of installation and maintenance

Built-in maintenance bypass assures continuous power to critical loads during UPS maintenance. Besides, to facilitate installation and maintenance, all panel control and connectors are front accessibility.

Flexible battery cabinet

The battery cabinet is 3U height with hot-swap function and 40pieces 9Ah Battery inside which can be integrated with IT rack. It can also be expanded based on the number of power module (PM10X).

Dimensions



XMOD 20KW

XMOD 40KW

XMOD 60KW