

UPS

UNINTERRUPTIBLE POWER SUPPLY



POWER + PREMIUM 60

Hot Scalable Modular 3 Phase & 1 Phase Available
Delivers 15 up to 60kVA/kW

Mainly used for Small & Medium sized applications

- True on-line - Voltage Frequency Independent (VFI)
- Full IGBT double conversion technology
- Modular & redundant power protection in a single unit
- Horizontal modularity w/ parallel expansion up to 4 cabinets
- Advanced Colorful LCD Touch Screen
- High output Power Factor (PF=1)
- Excellent input performances -PF~1 & low THDi
- High efficiency rate 96% in double conversion technology
- Advanced communication RS232, 485, EPO, dry contact, parallel port
- SNMP standard

15 to 60 kVA

The Power+ Premium is an innovative modular system with an attractive modern design. High end technology provides the customer with greater power and increased efficiency via an enhanced modular system.

Power+ Premium 60 is a modular 15-60 kVA UPS System with a proven design. Easily upgradable on-site through addition of plug-and-play 15 kVA modules, Power+ Premium 60 is a parallel redundant UPS. The system is comprised of 1 to 4 modules of 15 kVA each, a system controller and a static switch module. Power + Premium 60 offers the optimal combination of efficiency, economy, and usability - and boasts the industry lowest TCO (Total Cost of Ownership) and fastest ROI (Return on Investment).

15 kVA power module

- Faster communication between the power modules and the controller
- Increased stability of current sharing between modules
- Lower Internal dc working voltages

advanced static switch

- Fast recognition of and reaction to power surges and spikes
- Improved communication between the static switch and the controller
- Fast transfer time between inverter and bypass modes
- Additional circuit redundancy

Optional features

- Fits into 19" cabinet
- UPS and battery cabinet can be fitted together as a tower for smaller footprint

state of the art controller

- 7" color touch screen
- Fast and intuitive navigation to data display and configuration screens
- Faster continuous monitoring by the controller of all the UPS components
- Larger system log with added details and information
- System log can be exported through Ethernet or USB connections
- Control of on/off state of each module
- Sophisticated battery test
- Continuous dynamic estimation of remaining backup time in battery mode
- User interface with 7 languages and optional others
- Timed automatic shutdown of computer servers in battery mode
- Email notification to predefined lists
- System software can be updated with no physical intervention



15 to 60 kVA

MODEL	SYS POWER + PREMIUM		15kVA		30kVA		45kVA		60kVA	
ARCHITECTURE	Topology		True online battery, double conversion, VFI							
	Construction		Modular parallel hot-plugged modules							
	Operation		Continuous							
INPUT	Nominal Voltage (Vac)		3x400 (4 wires + Gnd)							
	Voltage Range (%)		-20 / +15 (360~460 Vac:full power; 320~360 Vac: derated 20%)							
	Maximum Current (A)		3x 27 per module - no inrush current at startup							
	Frequency (Hz)		47 ~63							
	Power walk-in (s)		1 to 30 in 1s intervals							
	Power factor correction		0.99							
	THDI (%)		<5%							
	Inrush current		None							
OUTPUT	Rated Power (kVA/kw)		15/15		30/30		45/45		60/60	
	Nominal Voltage (Vac)		3x400 (4 wires + Gnd)							
	Frequency, in free-running mode Hz		50/60 ± 0.1%							
	Frequency tracking range (Hz)		± 0.5, ±1, ±2, ±3, ±4 (selectable)							
	Frequency tracking slew rate(Hz/sec)		1							
	Static Regulation		±1							
	Regulation for unbalanced load (%)		±1 for 100% unbalanced load							
	Dynamic Response to 100% load step (%)		±2							
	Overload withstand	Inverter mode	110 % : 10 minutes, 125 % : 60 seconds							
		Bypass mode	125 % : 10 minutes, 1000 % : 1 cycle							
	Waveform		Sinusoidal							
	THD (%)		Linear load: <2; non-linear load: <6							
	Load CF (max)		6:1							
	Ac-Ac efficiency, nominal (%)		Up to 96							
	Dc-Ac efficiency, nominal (%)		Up to 98							
	BATTERIES	Dc-Link Voltage		±405V (405 floating, accuracy to +/-1%)						
Quantity and type		60 × 12 Vdc, sealed, lead acid, rechargeable								
GENERAL	Maximum power dissipation (Po=15kW)		625 W = 2133 BTU/hr		1250 W = 4266 BTU/hr		1875 W = 6399 BTU/hr		2500 W = 8532 BTU/hr	
	Ambient Temperature (°C)		- 10 to + 40 (operating), - 20 to +60 (storage)							
	Relative Humidity (%)		95 maximum, non-condensing							
	Altitude (m)		1500 without derating							
	Enclosure		IP20							
	Cooling systems		Forced air: multi-fan with speed control							
STANDARDS	Safety		IEC 62040-1							
	EMC		IEC 62040-2							
	Design		IEC 62040-3							
	Low magnetic field radiation		EMF as per ICNIRP							
DIMENSIONS	Weight of single power module (kg)		10.5							
	Linear measurments (mm)		800 (H) x 487 (W) x 700 (D)							
	Weight (kg)		68.5		79		89.5		100	



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