META

You Have the Power to Conserve.

POWER PLUS Series
10KVA-200KVA
3:3 Phase PF: 0.8

- Online Double Conversion
- DSP Technology
- Standard Galvanic Isolation Transformer
- Parallel Operation up to 4 units
- LCD Touch Screen
- Small Footprint
- High Efficiency
- Adjustable Battery Number
- Control Designed to stand all kinds of Loads
- High Over Load Capability
- Front Access for simplified Maintenance

Intelligent Management

- Multi Communication interface support UPS and load Intelligent monitoring
- Intelligent SNMP achieves local monitoring and remote monitor
- Battery temperature compensation function extends battery service life
- battery self-test function and battery temperature compensation function improve the battery performance and extend battery user life
- Intelligent fan control according the load capacity reduce the noise and prolongs fan service life

Reliable Design

- The output isolation transformer provides high reliability to adept different harsh industrial environment and protect the critical loads
- 100% three phase unbalance load adapts to different kinds of complex applications
- wide input voltage range provides high adaptability to the grid and extend the battery service life
- Main PCB board with professional electromagnetic shielding improve reliable performance of EMC

Applications

- Computer Room
- Data Center
- Precision Instrument
- Intelligent Device
- Automation Equipment
- Glass & Metallurgy Industry
- Auto Manufacturing
- PLC System
- Petrochemical Industry
- Power Plant

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Technical Specifications:

MODEL	PLUS310	PLUS315	PLUS320	PLUS330	PLUS340	PLUS360	PLUS380	PLUS3100	PLUS3120	PLUS3160	PLUS3200
Capacity	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA
INPUT											
Nominal Voltage	380/400/415Vac, 3Ph+N+PE										
Operating Voltage Rang	285-475Vac										
Operating Frequency R	50/60 ± 10%										
OUTPUT											
Output voltage	380/400Vac, 3Ph+N+PE										
Voltage regulation.	± 1%										
Power Factor	0.8										
Output frequency	1- Line Mode: synchronize with input output (50/60 ± 0.1) Hz										
	2- Battery Mode: (50/60 ±0.1) Hz										
Crest factor	3 : 1										
THDv	<2% with linear load										
	<5% with non linear load										
Efficiency	UP TO 93%										
BATTERY											
Battery voltage	29 - 32 Adjustable										
	12VDC BATTERY										
Charge Current (A)	Default 10A , up to 40A maximum 5A @ full load										
STATIC BYPASS											
Type	Solid State										
Voltage	3 x 380/400VAC 3Ph+N										
Frequency	50/60Hz										
Activation. Criterion	Microprocessor control										
Transfer time	Zero										
Over load	0 - 150% Continuous working, 150% -180% 60Min, > 180% 5Min										
Transfer to bypass	Immediate for over loads above 160%										
Retransfer	Automatic after alarm clear										
MAINTENANCE BYPASS											
Type	Without Interruption										
Voltage	3 x 400V (3Ph + N)										
Frequency	50/60Hz										
System Features											
Transfer time	Utility to Battery: 0ms, Utility to bypass: 0ms										
Over load	Inverter mode: 10Min for 110%, 60Sec for 150%, >200ms for 160%										
	Bypass mode: 160% overload Immediate										
Alarm	over load, utility abnormalm UPS fault, battery low, high and low Voltage										
Protection	short crcuitm overload, over temperature, battery lowm fan fault. Alarm										
Communication	USB, RS485, Parralel port (option) , Coupler dry. Contact, Intelligent slot, SNMP, card (option), relay. Card (option)										
ENVIRONMENTAL											
Operating Temperature	0-40 C										
Storage temperature	25-55 C (No battery)										
Humidity	0-95% (non condensing)										
Altitude	< 1500m. When>1500m										
Noise level	<55-64dB										
PHYSICAL											
Dimension (D x W x H)	650 x 350 x 1050			1100		830 x 430 x 1405		675 x 720 x 1405		775 x 890 x 1600	
Net weight (Kg)	148	150	163	230	225	386	426	625	685	850	940
STANDARDS											
Safety	IEC/EN62040-1, IEC/EN60950-1										
EMC	IEC/EN62040-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-4, IEC61000-4-8										

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