

POWER PLUS Series 10KVA-200KVA

- 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

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 Range	285-475Vac											
Operating Frequency Range	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 abnormal UPS fault, battery low, high and low Voltage											
Protection	short circuit overload, over temperature, battery low fan fault. Alarm											
Communication	USB, RS485, Parallel 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 (mm)	656 x 405 x 817			56 x 405 x 94		821 x 432 x 1159		975 x 554 x 1286		975x635x1326		1051 x 705 x 1646
Net weight (Kg)	118	120	145	193	278	365	471	573	650	735	790	
STANDARDS												
Safety	IEC/EN62040-1, IEC/EN60950-1											
EMC	IEC/EN62040-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-4, IEC61000-4-8											

