PPXs SERIES

Range: 10 kVA to 500 kVA (3:3)

Industrial & Commercial Applications
Built- In Transformer Design

MEDICAL
INDUSTRY
TRANSPORT
EMERGENCY
EDUCATION



READY

FEATURES

- Online double-conversion with full DSP control
- 100% unbalanced load capacity
- Generator compatible, supports battery cold start and auto-restart
- 5-Inch or 7-inch LCD touch screen, user-friendly man-machine interface
- Front access simplifies maintenance and replacement (160 to 500 kVA)
- Standard emergency power off (EPO), RS 232, RS 485, dry contacts communication ports

The PPXs Series UPS is available in capacities ranging from 10 to 500 kVA and includes an integrated isolation transformer to meet a wide variety of load requirements. The PPXs Series UPS features advanced dual-DSP control technology, modern interfaces such as an optional digital touch screen, and versatile applications suitable for both IT and industrial environments. Designed for rugged use, each UPS manages unbalanced loads from 0 to 100%. It offers various configuration options with accessories like USG and HSB to enhance system resilience. The UPS employs smart battery management for optimal performance and longer lifespan, ensuring reliable power during outages. Flexibility also extends to the DC BUS, operating from 360 to 384 VDC.

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXs 10	PPXs 15	PPXs 20	PPXs 30	PPXs 40	PPXs 60	PPXs 80	PPXs 100	PPXs 120
CAPACITY	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA
INPUT									
Rated Voltage	380 / 400 / 415 VAC								
Voltage Range	320 V - 480 V (full load)								
Rated Frequency	50 /60 Hz								
Delayed start of rectifier	10s (1 ~ 300 settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Rated Voltage	380 / 400 / 415 VAC								
Output Voltage Regulation	± 1%								
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power Factor	0.8/0.9 Factory Settable								
Voltage Distortion (THDv)	≤ 1% (linear load),≤ 5% (non - linear load)								
Crest Factor	3:1								
Overload	105%~110% for 60 min, 110%~125% for 10 min, 150% for 1 min								
DC INPUT									
DC Voltage	Lead acid battery: 360 - 384 VDC								
Number of Batteries	12 V 30 Pcs (Support 30~32 Pcs)/ 2V 180 Pcs (support 180 ~192 Pcs)								
Charging Current	Settable As per Battery Type								
SYSTEM									
Efficiency	Up to 94.5%; ECO mode: ≥ 98%								
Max. number of parallel connections	6								
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure								
Communications	Standard Configuration: RS232/RS485/Dry Contacts SNMP Card, Temperature Compensation, SMS Alarms								
Display	7 Inches LCD Touch Screen + LED								
OTHERS									
Operating temperature	0 - 50°C								
Storage temperature	-25°C - 70°C (without batteries)								
Relative humidity	0 - 95% (non-condensing)								
Altitude	≥ 1000 m (derating 1% for each additional 100 m)								
IP rating	IP20/21								
Noise level at 1m	65 dB								
Dimensions (W x D x H) mm	800 x 860 x 1700			1210 x 860 x 1950			2380x 860 x 1950		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

TECHNICAL SPECIFICATIONS

Three Phase Input - Three Phase Output

MODEL	PPXs 160	PPXs 200	PPXs250	PPXs 300	PPXs 400	PPXs 500
CAPACITY	**160KVA**	**200KVA**	**250KVA**	**300KVA**	**400KVA**	**500KVA**
INPUT						
Rated Voltage	380 / 400 / 415 VAC					
Voltage Range	320 V - 480 V (full load)					
Rated Frequency	50 /60 Hz					
Delayed start of rectifier	10s (1 ~ 300 settable)					
Bypass voltage range	± 20% (settable)					
OUTPUT						
Rated Voltage	380 / 400 / 415 VAC					
Output Voltage Regulation	± 1%					
Output Frequency Regulation	50 /60 Hz ± 0.1% in battery mode					
Waveform	Sinusoidal					
Power Factor	0.8/0.9 Factory Settable					
Voltage Distortion (THDv)	≤ 2 % (linear load), ≤ 5% (non - linear load)					
Crest Factor	3:1					
Overload	105%~110% for 60 min, 110%~125% for 10 min, 150% for 1 min					
BATTERIES						
DC Voltage	Lead Acid Battery: 600 Vdc Lithium Iron Phosphate Battery: 614.4 vdc					
Number of Batteries	Lead Acid Battery: 12 V X 50 pcs (48 ~ 50 Pcs Settable)					
Charging Current	Lead Acid Battery: 2 V X 300pcs (288 ~ 300 Pcs Settable) Lithium Iron Phosphate Battery: 3.2 V X 192 Pcs (192/208 Pcs Settable) Charging Rate (Settable) X Battery Capacity (Settable) X Number Of Battery Groups (Settable)					
SYSTEM						
Efficiency	Up to≥ 94.5%; ECO mode: ≥ 98%					
Max. number of parallel connections	6					
Protections	Short-Circuit, Overload, Overvoltage, Undervoltage. Low Battery, Overtemperature, Fan Failure					
Communications	Standard Configuration: RS232/RS485/Dry Contacts SNMP Card, Temperature Compensation, SMS Alarms					
Display	7 Inches LCD Touch Screen + LED					
OTHERS						
Operating temperature	0 - 50°C					
Storage temperature	-25°C - 70°C (without batteries)					
Relative humidity	0 - 95% (non-condensing)					
Altitude	≥ 1000 m. Above 1000m, derating 1% for each additional 100 m					
IP rating	IP20 / 21					
Noise level at 1m	< 65 dB				< 70dB	
Dimensions (W x D x H) mm	400 x 800 x 1000		600 x 700 x 1500		700 x 800 x 1700	
Net weight (kg)	790	1135	1275	1355	2090	2300
Gross weight (kg)	840	1200	1340	1420	2200	2410