



Pyramid DSP Premium

3 Phase In – 3 Phase Out / 160 – 400kVA

- High Output Power Factor (PF: 0.9)
- Graphical Touch Screen Front Display Panel
- IGBT Rectifier
- Real Digital Signal Processor (DSP) controlled transformerless design
- Input Power Factor Correction PFC (PF: >0.99)
- Low Total Harmonic Distortion Level (THDi ≤ 4%)
- High Efficiency (up to 95%)
- Wide Input Voltage Range
- Generator Compatible Operation
- Evolution and redundancy guaranteed by on site Modular Parallel Systems
- Intelligent battery management system extends the lifetime of batteries
- Static and Manual Bypass
- EPO (Emergency Power Off)
- Communication with computers and network systems with SNMP availability
- Expandable battery blocks
- Low installation and operating costs
- Different voltage applications with refer to country mains characteristic



UPS ONLINE



TOWER



LCD DISPLAY (160-400kVA)



SERVICE

ACCESSORIES

Communication

- Remote Monitoring Panel & 25m Cable For Remote Panel
- UPSMAN (Management Software)
- Multiserver Shutdown Licence
- Internal SNMP kit :
Internal Slot Card SNMP CS141BSC or CY504,
slot box, cable
- External Adapter
SNMP Adapter Net Agent Mini DY 522
SNMP Adapter CS141BL

Other

- Split By-pass
- Parallel Kit
- Drawer Type Internal Battery Shelves 10 - 30kVA
- Special Battery Connection Cable for Drawer Type Shelves

Battery Cabinets

- UPS looking battery Cabinets (different battery configuration available)
V14, V15, V24, V33, V34
- Eco Cabinets (different battery configurations available)
BC00, BC10, BC20, BC30, BC40, BC50, BC60



Pyramid DSP Premium

TECHNICAL SPECIFICATIONS

MODEL	PDSP-P 33160	PDSP-P 33200	PDSP-P 33250	PDSP-P 33300	PDSP-P 33400
Output power [kVA]	160	200	250	300	400
Nominal Active Power [kW]	144	180	225	270	360
INPUT					
Number of phases	3Ph+N+PE				
Nominal Voltage [3ph Phase to Phase]	380V/400V/415V				
Voltage range	[-15%] [+27%]				
Voltage range (64% load)	[-45%] [+27%]				
Voltage range (42% load)	[-64%] [+27%]				
Nominal Frequency [Hz]	50 or 60				
Frequency range for online operation	±10%				
Input Current Harmonics (THDi)[*] [**]	≤4%				
Input Power Factor	>0.99				
OUTPUT					
Power factor	0.9				
Number of phases	3Ph+N+PE				
Voltage [3ph Phase to Phase]	380V/400V/415V				
Static Voltage Regulation at 100% Linear Load (online&battery mode)	<1%				
Output Voltage Harmonics (THDv)	<3% (linear load)				
Crest factor	3:1				
Frequency (Hz)	50 or 60				
Free Running Frequency (Hz)	± 0.01%				
Overload	125% for 10 minutes, 150% for 1 minute				
Efficiency [**]	up to 95%				
BATTERY					
Type	Maintenance-free Lead Acid Batteries				
Quantity [pcs]	60 (2*30)				
Battery Protection	Deep Discharge Protection with Auto Cut off, Temperature Voltage Compensated Charge				
Battery Test	Standard (Automatic and Manual)				
DISPLAY					
3.5" Graphical Touch Screen	Graphical Flow Diagram for Line, Rectifier, Bypass, Battery, Inverter and Load Input & Output Frequency, Voltage & Current, Load Power Factor, Load%, Load Active & Apparent Power, Bypass Voltage & Frequency, Battery Voltage, Current & Temperature, Autonomy Time (min).				
STATIC BYPASS					
Number of phases	3Ph+N+PE				
Voltage Range for bypass operation	± 10%				
Frequency Range for bypass operation (Hz)	± 6% (Configurable)				
COMMUNICATION					
Interface (Communication Ports)	RS232, RS485 (ModBus)				
Relay Contact Signals (Adjustable)	Programmable 4 Relay Contacts to any of following signals : General Alarm, Input Failure, Battery Failure, Output Failure, Bypass Acvite, Output Overload, High Temperature				
Others	EPO, Generator Interface				
ENVIRONMENT					
Storage Temperature Range (°C)	-25 to +55 (15 to 40 recommended for longer battery life time)				
Operating Temperature Range (°C)	0 to 40 (20 to 25 recommended for longer battery life time)				
Relative Humidity Range	0-95% (non-condensing)				
Maximum Altitude without derating (m)	1000				
Protection Level	IP20				
Audible Noise Level from 1m (dBA)	62		67		
PHYSICAL SPECIFICATIONS					
Output power [kVA]	160	200	250	300	400
Dimensions WxDxH (mm)	980x870x1950		1340x1080x2050		
Weight (kg)	570	830	865	900	1070
STANDARDS					
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (VFI-SS-111)				

[*] for source having THDv < 2 % @ nominal load
 [**] varies depending on ups power