

# Pyramid-EX Series

Uninterruptible Power Systems

On-Line Double Conversion Technology

3 Phase in 3 Phase out / 500 kVA to 1000 kVA



- On-line 'double conversion' technology
- State of the art IGBT & PWM Technology
- Built-in maintenance & automatic by-pass
- Evolution and redundancy guaranteed by Parallel Systems (up to 4 units)
- User Friendly LCD panel helps to feature the ups easily.
- Full front access to whole internal components reduces the repair & maintenance time.
- Expandable and variable battery blocks
- Communication Interface and Monitoring Software
- 12 pulse rectifier option

## Accessories

### Communication

- Remote Mimic Panel
- Remote Mimic Panel with EPO
- Communication Interface (RS485)
- UPSMAN (Management Software)
- External Adapter
- SNMP Adapter Net Agent Mini DP 522
- SNMP Adapter CS121BL

### Other

- Split by-pass
- Parallel Kit
- 12 Pulse rectifier
- Emergency Power Off EPO

### Battery Cabinets

- Eco Cabinets (different battery configurations available)
- BC50, BC60

# Pyramid-EX Specifications

MODEL	PDS 500	PDS 600	PDS 800	PDS 1000
Output Power (kVA)	500	600	800	1000
Output Power (kW)	400	480	640	800
INPUT				
Voltage	380V / 400V / 415V 3Phase+Neutral+PE			
Voltage Tolerance	± 15 %			
Frequency	50 / 60 Hz			
Frequency Tolerance	± 10 %			
DC Ripple Voltage	± 1 %			
DC Ripple Current	Max 2% Of Battery Capacity Defined In Amps			
OUTPUT				
Power Factor	0.8			
Voltage	380V / 400V / 415V 3Phase+Neutral+PE			
Tolerance				
Static Condition	± 1 %			
Step Load (0%-100%-0%)	± 8 % Recovering Within Tolerance Into 2 Cycles			
Step Load (0%-50%-0%)	± 3 % Recovering Within Tolerance Into 2 Cycles			
Total Harmonic Distortion	< 2 % (@ 100% Linear Load)			
Crest Factor	3:1 With 80% Load			
Frequency	50 or 60 Hz.			
Frequency Tolerance ( Free Running)	± 0.01 %			
Frequency Tolerance (Synchronized With Utility)	± 5 %			
Overload				
100%-125% load	10 min			
125%-150% load	1 min			
Overall Efficiency	92,5%			
Output Neutral Rating	200%			
BATTERY				
Type	Maintenance-Free Lead Acid Batteries			
Quantity	32 pcs 12V Blocks			
Nominal DC Voltage	384VDC			
Float Voltage At 20C	436VDC			
Automatic And Manual Battery Test	Standard			
STATIC BYPASS				
Input Configuration	Common with Rectifier or Separate			
Transfer limits	± 10 % of Nominal Adjusted Output Voltage			
Overload Capability	Continuous At 110%			
Short Circuit Capability	5min @ 200% And Half Cycle @1000% (Non Repetitive)			
ENVIRONMENT				
Audible Noise	<68dBA			<70dBA
Operating Temperature	0-40°C			
Relative Humidity (Non Condensing)	0-95%			
Protection Class	IP20			
PHYSICAL SPECIFICATIONS				
Weight Without Battery (kg)	2900	3100	3800	4000
Dimensions (mm) WxDxH	3400*1000*1800	3400*1400*1800	4200*1400*1800	
STANDARDS				
Standards	EN 62040-1-1 (safety), EN 62040-2(EMC), EN 62040-3 (VFI-SS-111)			

