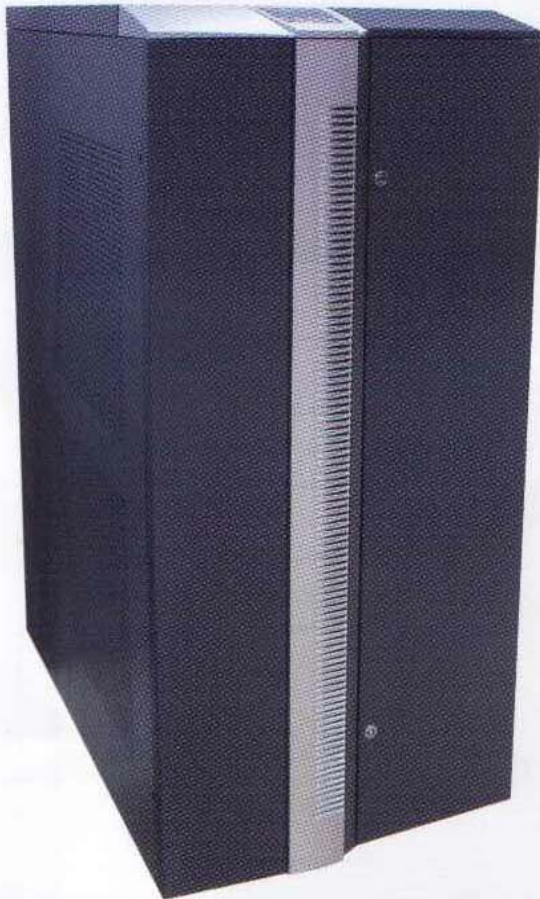


PYRAMID DSP

inform
"Uninterruptible Energy"

Uninterruptible Power Systems

True On-Line IGBT Rectifier Controlled Double Conversion
3Ph in / 3Ph out 20 to 60kVA UPS Systems



- IGBT Rectifier
- DSP basis numerical control
- Active Power Factor Correction (0,99 input p.f.)
- Active Harmonic Correction (≤5% input THDi)
- Wide Input Voltage Range
- Generator Compatible Operation
- Evolution and redundancy guaranteed by Parallel Systems
- Smart Battery Charge System
- Synchronization Capability with external sources
- Static and Manual Bypass
- Optional Galvanic isolation transformer and special voltage application options
- Communication with computers and network systems with SNMP availability
- Expandable battery blocks
- Low installation and operating costs



PYRAMID DSP SERIES SPECIFICATIONS

MODEL	PD320	PD330	PD340	PD360
Output power (kva)	20	30	40	60
Nominal Active Power (kW)	16	24	32	48
Power factor	0.8			
INPUT				
Number of phases	3Ph+N+PE			
Nominal Voltage	220/230V (Ph-N) - 380V/400V (Ph-Ph)			
Voltage range (%100 load) (Ph-N)	187V-280V			
Voltage range (%64 load) (Ph-N)	120V-280V			
Voltage range (%42 load) (Ph-N)	80V-280V			
Nominal Frequency (Hz)	50 or 60			
Frequency range for online operation	45 - 65 Hz			
Input Current THD	≤5%			
Input Power Factor	0.99			
OUTPUT				
Number of phases	3Ph+N+PE			
Voltage	220/230V (Ph-N) - 380V/400V (Ph-Ph)			
Static Voltage Regulation at %100 Linear Load (online&battery mode)	<1%			
Voltage THD at rated linear load	<3%			
Crest factor	3:1			
Frequency (Hz)	50 or 60			
Free Running Frequency (Hz)	50 or 60 ± 0.01%			
Overload duration at 150% load	>30 sec			
Efficiency	92%			
STATIC BYPASS LINE				
Number of phases	3Ph+N+PE			
Transfer Voltage from bypass to inverter	220V / 230V (Ph-N) ± 10%			
Transfer Voltage from inverter to bypass	220V / 230V (Ph-N) ± 10%			
Frequency Range for bypass operation (Hz)	47-53 (Configurable)			
COMMUNICATION				
Interface	RS232 & RS488 Communication Ports			
Dry Contact Signals	AC failure, Battery under voltage, bypass operation, output failure			
Others	EPO, Generator operation			
ENVIRONMENTAL CONDITIONS				
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			
Standards	EN 50091-1-1 , EN 50091-2, EN 62040-3 (VFI-SS-111)			
Product Certification	CE			
OPTIONS				
	Parallel kit, SNMP, separate mains input, remote monitoring panel, isolation transformer, battery cabinet			

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