

PYRAMID DSP


SmartPower
Your smart choice for UPS

Uninterruptible Power Systems

True On-Line Double Conversion Technology
DSP Controlled IGBT Rectifier UPS
3 phase in / 3 phase out 10 to 200 kVA



- IGBT Rectifier
- DSP basis numerical control
- Active Power Factor Correction (0.99)
- Active Harmonic Correction ($\leq 4\%$)
- 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



TESID
Innovation
and
Creativity
Reward 2005



PYRAMID DSP SERIES SPECIFICATIONS

MODEL	PDSP310	PDSP315	PDSP320	PDSP330	PDSP340	PDSP360	PDSP380	PDSP3100	PDSP3120	PDSP3160	PDSP3200			
Output power (kva)	10	15	20	30	40	60	80	100	120	160	200			
Nominal Active Power (kW)	8	12	16	24	32	48	64	80	96	128	160			
Power factor	0.8													
INPUT														
Number of phases	3Ph+N+PE													
Nominal Voltage	380V/400V/415V													
Voltage range (%100 load) (Ph-N)	(-15%)(+27)%													
Voltage range (%64 load) (Ph-N)	(-45%)(+27)%													
Voltage range (%42 load) (Ph-N)	(-64%)(+27)%													
Nominal Frequency (Hz)	50 or 60													
Frequency range for online operation	±10%													
Input Current THD	≤4%													
Input Power Factor	0.99													
OUTPUT														
Number of phases	3Ph+N+PE													
Voltage	380V/400V/415V													
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)	± 0.01%													
Overload	125% for 10 minutes 150% for 1 minute													
Efficiency	92%													
STATIC BYPASS LINE														
Number of phases	3Ph+N+PE													
Voltage Range for bypass operation	220V / 230V (Ph-N) ± 10%													
Frequency Range for bypass operation (Hz)	47-53 (Configurable)													
BATTERY														
Type	Seal Lead Acid Maintenance Free													
Battery Quantity (pcs)	62 (2*31)													
Battery Protection	Deep Discharge Protection with Auto Cut off													
Battery Test	Standard (Automatic and Manual)													
COMMUNICATION														
Interface (Communication Ports)	RS232 & RS422													
Dry Contact Signals	AC failure, Battery under voltage, bypass operation, output failure													
Others	EPO, Generator interface													
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													
Noise Level	< 60 dB			< 65 dB			< 68 dB			< 75 dB				
Standards	EN 50091-1-1 , EN 50091-2, EN50091-3, EN55022, EN 62040-1-1, EN 62040-2, EN 62040-3 (VFI-SS-111)													
Dimensions wxdxh (cm)	40 x 78 x 107				52 x 90 x 130		67x73x153		64x98x140		77x76x168		96x87x1 88	
Weight (kg)	102	110			240	242	260	295	330	555	575			
Product Certification	CE													
OPTIONS														
Parallel kit, SNMP internal slot card or external adapter, split by-pass, remote monitoring panel, isolation transformer, battery cabinet, Netservice														



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