

PYRAMID DSP-T SERIES

On-Line Double Conversion Technology, IGBT Rectifier UPS with Built in Isolation Transformer 3 phase in / 3 phase out from 10 to 300 kVA

- Real Digital Signal Processor (DSP) controlled
- Built in Output Isolation Transformer
- Input Power Factor Correction PFC (>0.99)
- Wide Input Voltage Range
- Generator Compatible Operation
- Parallel ready for future proofing
- Intelligent battery management system extends battery life
- Synchronization Capability from external sources
- Static and Manual Bypass
- SNMP option for communication with computer and LAN
- Extended run time options
- Low installation and operating costs
- EPO (Emergency Power Off)



Specification

MODEL	PDSP-T 33010	PDSP-T 33015	PDSP-T 33020	PDSP-T 33030	PDSP-T 33040	PDSP-T 33060	PDSP-T 33080	PDSP-T 33100	PDSP-T 33120	PDSP-T 33160	PDSP-T 33200	PDSP-T 33250	PDSP-T 33300																							
Output Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300																							
Active Power (kW)	8	12	16	24	32	48	64	80	96	128	160	200	240																							
INPUT																																				
Number of Phases	3Ph + N + PE																																			
Nominal Voltage (Ph-Ph)	380V/400V/415V																																			
Voltage range (100% load)	-15% ~ +27%																																			
Voltage range (64% load)	-45% ~ +27%																																			
Voltage range (42% load)	-64% ~ +27%																																			
Nominal Frequency (Hz)	50 or 60 ±10%																																			
Input Power Factor	0.99																																			
OUTPUT																																				
Output Power factor	0.8																																			
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	<1.5%																																			
Crest factor	3:1																																			
Free Running Frequency (Hz)	50 or 60 ± 0.01%																																			
Overload	125% for 10 minutes; 150% for 1 minute																																			
Efficiency	≥ 90% (**)																																			
STATIC BYPASS																																				
Voltage Range	380V / 400V (Ph-Ph) ± 10%																																			
Frequency Range for bypass operation (Hz)	±6% (Adjustable)																																			
BATTERY																																				
Type	Maintenance-free lead acid batteries																																			
Battery Quantity (pcs)	54 (2 x 27)																																			
Battery Protection	Deep discharge protection with auto cut off																																			
Battery Test	Standard (Automatic and Manual)																																			
COMMUNICATION																																				
Interface (Communication Ports)	RS232 & RS422																																			
RELAY Contact Signals	AC Failure, Battery Under Voltage, Bypass Operation, Output Failure																																			
Others	EPO, Generator Interface																																			
ENVIRONMENT																																				
Storage Temperature Range (°C)	-25 to +55 (15 to 40 recommended for longer battery life)																																			
Operating Temperature Range (°C)	0 to 40 (20 to 25 recommended for longer battery life)																																			
Relative Humidity Range	Up to 95% (non-condensing)																																			
Maximum Altitude without derating (m)	< 1000																																			
Protection Class	IP20																																			
PHYSICAL SPECIFICATIONS																																				
Dimensions (wxdxh) cm	40 x 78 x 107			52 x 90 x 130			63.5 x 100 x 140			76 x 103 x 169			96 x 108 x 182			161 x 108 x 195																				
Weight (kg)	235			238			273			450			502			625			680			790			1200			1290			1675			1775		
STANDARDS																																				
EN 62040-1-1 (safety), EN 62040-2(EMC), EN 62040-3 (VFI-SS-111)																																				