

Pyramid DSP T Series

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

- ▶ IGBT Rectifier
- ▶ Real Digital Signal Processor (DSP) controlled
- ▶ Built in Output Isolation Transformer
- ▶ Input Power Factor Correction PFC(>0,99)
- ▶ Low Total Harmonic Distortion Level (THDi \leq 4%) and (THDv < 1.5%)
- ▶ 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
- ▶ Synchronization Capability with external sources
- ▶ Static and Manual Bypass
- ▶ Communication with computers and network systems with SNMP availability
- ▶ Expandable battery blocks
- ▶ Low installation and operating costs
- ▶ EPO (Emergency Power Off)

Accessories

Communication

- Remote Monitoring Panel & 25m Cable For Remote Panel
- UPSMAN (Management Software)
- Multiserver Shutdown Licence
- Internal SNMP kit :
Internal Slot Card SNMP CSI4IBSC or CY504, slot box, cable
- External Adapter
SNMP Adapter Net Agent Mini DY 522
SNMP Adapter CSI4IBL
SNMP Adapter with Modbus CSI4ILM

Other

- Splitt by-pass
- Parallel Kit

Battery Cabinets

UPS looking battery Cabinets (different battery configuration available)

- V14, V15, V24, V33, V34

Eco Cabinets (different battery configurations available)

- BCO0, BC10, BC20, BC30, BC40, BC50, BC60



Pyramid DSP T Series Technical Specifications

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 Current THD	4% (*) (**)																							
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&485@ 10 to 120kVA / RS232&422 @ 160 to 300kVA																							
Dry Contact Signals (optional)	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			63,5x100x140			76 x 102x 168		96x108x182		161x108x195										
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-III)																								
(*) for source having THDv < 2 % @ nominal load (**) varies depending on ups power																								