



Pyramid DSP-T Series

Uninterruptible Power Systems

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 CS121BSC, slot box, cable
- External SNMP Adapter
 - SNMP Adapter Net Agent Mini DP 522
 - SNMP Adapter CS121BL
- SNMP Adapter with Modbus CS121LM

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)
- BC20,BC30,BC40,BC50,BC60

Pyramid DSP-T 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 & RS422																							
Dry 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 SPECIFICATION																								
Dimensions (wxdxh) cm	40 x 78 x 107			52 x 90 x 130			63,5*100*140			76*102,5*168,5			96*108*182		161*108*193									
Weight (kg)	235		238		273		450		502		625		680		790		1200		1290		1740		1840	
STANDARDS																								
EN 62040-1-1 (safety), EN 62040-2(EMC), EN 62040-3 (VFI-SS-111)																								

(*) for source having THDv < 2 % @ nominal load

(**) varies depending on ups power

