

Pyramid DSP T

3 Phase In - 3 Phase Out / 10 – 120kVA

- IGBT Rectifier
- Real Digital Signal Processor (DSP) controlled
- Built in Inverter Output Isolation Transformer
- Input Power Factor Correction PFC (PF: >0.99)
- Low Total Harmonic Distortion Level (THDi ≤ 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 CS141BSC or CY504, slot box, cable
- External Adapter
SNMP Adapter Net Agent Mini DY 522
SNMP Adapter CS141BL
SNMP Adapter with Modbus CS141LM

Other

- Split 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)

- BC00, BC10, BC20, BC30, BC40, BC50, BC60



Pyramid DSP T

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
Output Power (kVA)	10	15	20	30	40	60	80	100	120
Active Power (kW)	8	12	16	24	32	48	64	80	96
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 Harmonics (THDi) (*) (**)	< 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%								
Output Voltage Harmonics (THDv)	<1.5% (linear load)								
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								
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	0 - 95% (non-condensing)								
Maximum Altitude without derating (m)	< 1000								
Protection Class	IP20								
PHYSICAL SPECIFICATIONS									
Dimensions (WxDxH) (mm)	400 x 780 x 1070			520 x 900 x 1300			640x1000x1400		760 x 1250x 1685
Weight (kg)	235	238	273	450	502	625	680	790	
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									