



HOME/OFFICE

DATA CENTER

MEDICAL

INDUSTRY

TRANSPORTATION

EMERGENCY

## 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( >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)



UPS ONLINE

TOWER

LCD DISPLAY (10-120kVA)

SERVICE

### 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
<b>INPUT</b>									
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								
<b>OUTPUT</b>									
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% (**)								
<b>STATIC BYPASS</b>									
Voltage Range	380V / 400V (Ph-Ph) ± 10%								
“Frequency Range for bypass operation (Hz)”	±6% (Adjustable)								
<b>BATTERY</b>									
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)								
<b>COMMUNICATION</b>									
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								
<b>ENVIRONMENT</b>									
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								
<b>PHYSICAL SPECIFICATIONS</b>									
Dimensions (wxdxh ) cm	40 x 78 x 107			52 x 90 x 130			64x100x140		76 x 102,5x 168,5
Weight (kg)	235	238	273	450	502	625	680	790	
<b>STANDARDS</b>									
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									