



HOME/OFFICE

DATA CENTER

MEDICAL

INDUSTRY

TRANSPORTATION

EMERGENCY

## Pyramid DSP Premium T

3 Phase In – 3 Phase Out / 160 - 300kVA

- High Output Power Factor : 0,9
- Graphical Touch Screen Front Display Panel
- IGBT Rectifier
- Real Digital Signal Processor (DSP) controlled technology with built-in output isolation transformer
- Input Power Factor Correction PFC( >0,99 )
- Low Total Harmonic Distortion Level ( THDi ≤ 4% )
- High Efficiency ( up to 93% )
- 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
- Static and Manual Bypass
- EPO (Emergency Power Off)
- Communication with computers and network systems with SNMP availability
- Expandable battery blocks
- Low installation and operating costs
- Different voltage applications with refer to country mains characteristic



UPS ONLINE



TOWER



LCD DISPLAY  
160-300kVA



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

#### 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 Premium T

## TECHNICAL SPECIFICATIONS

MODEL	PDSP-PT 33160	PDSP-PT 33200	PDSP-PT 33250	PDSP-PT 33300
Output power [ kVA]	160	200	250	300
Nominal Active Power [ kW ]	144	180	225	270
<b>INPUT</b>				
Number of phases	3Ph+N+PE			
Nominal Voltage [ 3ph Phase to Phase ]	380V/400V/415V			
Voltage range	[-15]% [+27]%			
Voltage range [%64 load]	[-45]% [+27]%			
Voltage range [%42 load]	[-64]% [+27]%			
Nominal Frequency [ Hz ]	50 or 60			
Frequency range for online operation	±10%			
Input Current THD	<4% [*] [ **]			
Input Power Factor	0,99			
<b>OUTPUT</b>				
Power factor	0.9			
Number of phases	3Ph+N+PE			
Voltage [ 3ph Phase to Phase ]	380V/400V/415V			
Static Voltage Regulation at %100 Linear Load ( online&battery mode )	<1%			
Voltage THD at rated linear load	<3%			
Crest factor	3:1			
Frequency (Hz)	50 or 60			
Free Running Frequency (Hz)	± 0.01%			
Overload	125% for 10 minutes 150% for 1 minute			
Efficiency	up to 93% [**]			
<b>BATTERY</b>				
Type	Maintenance-free Lead Acid Batteries			
Quantity (pcs )	54 [2*27]			
Battery Protection	Deep Discharge Protection with Auto Cut off, Temperature Voltage Compensated Charge			
Battery Test	Standard [ Automatic and Manual ]			
<b>DISPLAY</b>				
3.5" Graphical Touch Screen	Graphical Flow Diagram for Line, Rectifier, Bypass, Battery, Inverter and Load Input & Output Frequency, Voltage & Current, Load Power Factor, Load%, Load Active & Apparent Power, Bypass Voltage & Frequency, Battery Voltage, Current & Temperature, Autonomy Time (min),			
<b>STATIC BYPASS</b>				
Number of phases	3Ph+N+PE			
Voltage Range for bypass operation	± 10%			
Frequency Range for bypass operation (Hz)	± 6% [ Configurable ]			
<b>COMMUNICATION</b>				
Interface (Communication Ports )	RS232, RS485 (ModBus)			
Relay Contact Signals (Adjustable)	Programmable 4 Relay Contacts to any of following signals ; General Alarm, Input Failure, Battery Failure, Output Failure, Bypass Acvite, Output Overload, High Temperature			
Others	EPO, Generator Interface			
<b>ENVIRONMENT</b>				
Storage Temperature Range [°C ]	-25 to +55 [ 15 to 40 recommended for longer battery life time ]			
Operating Temperature Range [°C ]	0 to 40 [ 20 to 25 recommended for longer battery life time ]			
Relative Humidity Range	0-95% [ non-condensing ]			
Maximum Altitude without derating (m)	1000			
Protection Level	IP20			
Audible Noise Level from 1m (dBA)	62		67	
<b>PHYSICAL SPECIFICATIONS</b>				
Output power [ kVA]	160	200	250	300
Dimensions WxDxH (cm)	96x108x182		162x108x195	
Weight (kg)	1290	1675		1775
<b>STANDARDS</b>				
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