# Pyramid DSP Premium T

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

- High Output Power Factor (PF: 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 (PF: >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

VFI TYPE UPS ONLINE | TOWER | LCD LCD DISPLAY 160-300kVA | SERVICE 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-P T 33160 | PDSP-P T 33200 | PDSP-P T 33250 | PDSP-P T 33300 |
|---|---|---|---|---|
| Output power ( kVA) | 160 | 200 | 250 | 300 |
| Nominal Active Power ( kW ) | 144 | 180 | 225 | 270 |
| **INPUT** | | | | |
| 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 Harmonics (THDi) (*) ( **) | ⩽4% | | | |
| Input Power Factor | >0.99 | | | |
| **OUTPUT** | | | | |
| 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% | | | |
| Output Voltage Harmonics (THDv) | <3% (linear load) | | | |
| 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% | | | |
| **BATTERY** | | | | |
| 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 ) | | | |
| **DISPLAY** | | | | |
| 3.5" Graphical Touch Screen | Graphical Flow Diagram for Line, Rectifier, Bypass, Battery, Inverter and Load<br>Input & Output Frequency, Voltage & Current, Load Power Factor, Load%, Load Active & Apparent Power, Bypass Voltage & Frequency, Battery Voltage, Current & Temperature, Autonomy Time (min), | | | |
| **STATIC BYPASS** | | | | |
| Number of phases | 3Ph+N+PE | | | |
| Voltage Range for bypass operation | ± 10% | | | |
| Frequency Range for bypass operation (Hz) | ± 6% ( Configurable ) | | | |
| **COMMUNICATION** | | | | |
| Interface (Communication Ports ) | RS232, RS485 (ModBus) | | | |
| Relay Contact Signals (Adjustable) | Programmable 4 Relay Contacts to any of following signals ;<br>General Alarm, Input Failure, Battery Failure, Output Failure, Bypass Acvite, Output Overload, High Temperature | | | |
| Others | EPO, Generator Interface | | | |
| **ENVIRONMENT** | | | | |
| Storage Temperature Range (°C ) | -25 to +55 ( 15 to 40 recomended for longer battery life time ) | | | |
| Operating Temperature Range (°C ) | 0 to 40 ( 20 to 25 recomended 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 | | |
| **PHYSICAL SPECIFICATIONS** | | | | |
| Output power ( kVA) | 160 | 200 | 250 | 300 |
| Dimensions WxDxH (mm) | 960x1080x1820 | 1620x1080x1950 | | |
| Weight (kg) | 1290 | 1675 | 1775 | |
| **STANDARDS** | | | | |
| 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