

MPOWER UPS



PDSP PREMIUM SERIES

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10 years of uninterruptible power

PDSP PREMIUM SERIES

On-Line "Double Conversion" Technology, DSP Controlled IGBT Rectifier UPS 3phase in / 3phase out 10 to 300kVA

- High Output Power Factor
- Graphical Touch Screen Front Display Panel
- IGBT Rectifier
- Real Digital Signal Processor (DSP) controlled transformerless design
- High Efficiency
- Wide Input Voltage Range
- Generator Compatible Operation
- Parallel ready for future expansion
- Intelligent battery management system extends the lifetime of batteries
- Static and Manual Bypass
- EPO (Emergency Power Off)
- Communication options with computers and network systems with SNMP
- Extended run time with additional external battery options
- Low installation and operating costs

Accessories

Communication

- Remote Monitoring Panel & 25m Cable For Remote Panel
- UPSMAN (Management Software)
- Multiserver Shutdown Licence
- Internal SNMP kit
- External Adapter
 - SNMP Adapter Net Agent Mini DT 522
 - SNMP Adapter CS121BL

Other

- Split By-pass
- Parallel Kit

External Battery Cabinets

- V14, V15, V24, V33 or V34
- Eco Cabinets: BC00, BC10, BC20, BC30, BC40, BC50 or BC60



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General

Designed and built to protect your electronic equipment from power fluctuations, this UPS is your insurance for a reliable, clean and stable supply.

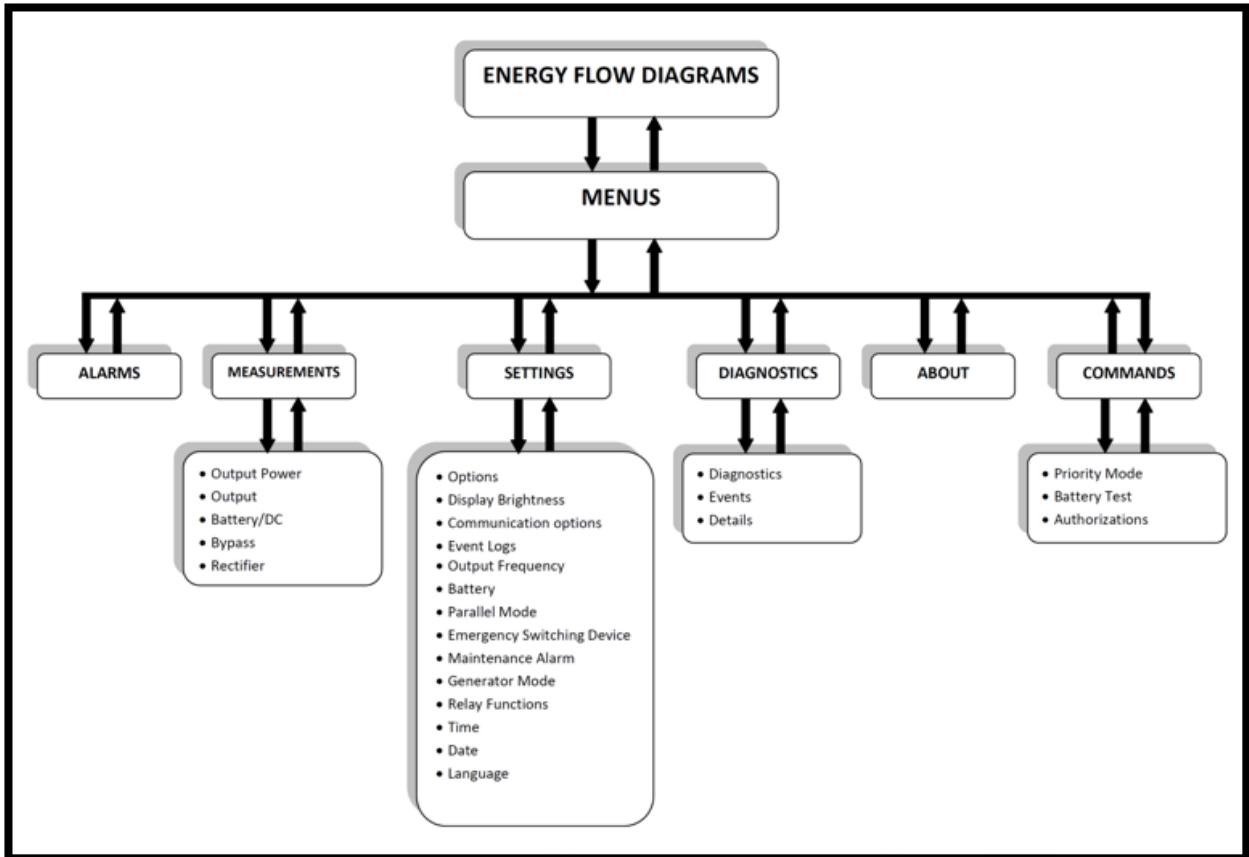
Uninterruptible Power Supplies (UPS) play an important role in the protection of critical and sensitive loads from irregularities in the mains electricity supply by supplying uninterruptible energy to these loads. The UPS, in normal operation, provides stable pure sine wave which is not affected by input voltage fluctuations. This helps to extend the life time of your connected equipment.



Front Panel

The front panel, located at the top of the UPS, is user friendly, touch screen control and provides information about the operating status, alarm conditions and measurements. From here you can also access control commands and user parameter settings.

The Main screen image shows the energy flow diagram, in the form of a graph, and Operation Modes.



Specification

MODEL	PDSP-P 33010	PDSP-P 33015	PDSP-P 33020	PDSP-P 33030	PDSP-P 33040	PDSP-P 33060	PDSP-P 33080	PDSP-P 33100	PDSP-P 33120	PDSP-P 33160	PDSP-P 33200	PDSP-P 33250	PDSP-P 33300					
Output power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300					
Nominal Active Power (kW)	9	13.5	18	27	36	54	72	90	108	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 THD	≤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%																	
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 94%																	
BATTERY																		
Type	Maintenance-free Lead Acid Batteries																	
Quantity (pcs)	62 (2*31)						60 (2*30)											
Battery Protection	Deep Discharge Protection with Auto Cut off																	
Battery Test	Standard (Automatic and Manual)																	
DISPLAY																		
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),																	
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 ; 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 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)	50		52		55		58	60	68	72	77	78	78					
PHYSICAL SPECIFICATIONS																		
Output power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300					
Dimensions WxDxH (cm)	40 x 78 x 107			52 x 90 x 130			67 x 73 x 163			85 x 78 x 182			98 x 87 x 195			134 x 108 x 195		
Weight (kg)	100	114	116	122	180	253	285	405	522	570	735	750	800					
STANDARDS																		
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (VFI-SS-111)																	

