

Pyramid DSP Series Technical Specifications

MODEL (380-400-415V 3ph version)	PDSP 33010	PDSP 33015	PDSP 33020	PDSP 33030	PDSP 33040	PDSP 33060	PDSP 33080	PDSP 33100	PDSP 33120	PDSP 33160	PDSP 33200	PDSP 33250	PDSP 33300
Output power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300
Nominal Active Power (kW)	8	12	16	24	32	48	64	80	96	128	160	200	240
MODEL (200-208-220V 3Ph version)	PDSP- U33005	PDSP- U33007	PDSP- U33010	PDSP- U33015	PDSP- U33020	PDSP- U33030	PDSP- U33040	PDSP- U33050	PDSP- U33060	PDSP- U33080	PDSP- U33100	PDSP- U33125	PDSP- U33150
Output power (kva)	5	7,5	10	15	20	30	40	50	60	80	100	125	150
Nominal Active Power (kW)	4	6	8	12	16	24	32	40	48	64	80	100	120
INPUT													
Number of phases	3Ph+N+PE												
Nominal Voltage (Ph-Ph)	380V / 400V / 415V (PDSP) & 200V / 208V / 220V (PDSP-U)												
Voltage range (%100 load)	(-15)% (+27)% @PYRAMID DSP / ±15% @PYRAMID DSP-U												
Voltage range (%64 load)	(-45)% (+27)%@PYRAMID DSP												
Voltage range (%42 load)	(-64)% (+27)%@PYRAMID DSP												
Nominal Frequency (Hz)	50 or 60												
Frequency range for online operation	±10%												
Input Current THD	≤4% (*) (**)												
Input Power Factor	0,99												
OUTPUT													
Power factor	0.8												
Number of phases	3Ph+N+PE (PDSP & PDSP-U)												
Voltage (3ph_ Phase to Phase)	200V / 208V / 220V (PDSP-U) or 380V/400V/415V (PDSP)												
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) PDSP version	62 (2*31)									60 (2*30)			
Quantity (pcs) PDSP-U version	34 (2*17)												
Battery Protection	Deep Discharge Protection with Auto Cut off												
Battery Test	Standard (Automatic and Manual)												
DISPLAY													
LED Display	Line, Bypass, Battery, Inverter, Load, Fault Indications												
LCD Display	Load%, Input & Output Frequency, Voltage & Current, Bypass voltage, Battery Voltage & Current, Temperature, Alarms												
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 & RS422												
Dry Contact Signals	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 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												
PHYSICAL SPECIFICATIONS													
Dimensions wxdxh (cm)	40 x 78 x 107			52 x 90 x 130			67x73x163		85x78x182	98x87x195	96x87x186	134x108x195	
Weight (kg)	100	114	116	122	180	202	253	285	405	522	570	735	750
STANDARDS													
Standards	EN 62040-1-1 (safety), EN 62040-2(EMC), EN 62040-3 (VFI-SS-III)												
(*) for source having THDv < 2 % @ nominal load (**) varies depending on ups power													

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