

PROGRAMMABLE DC POWER SUPPLY

PTDP - 1.5KW SERIES SPECIFICATIONS



■ 19" SUB RACK CASE (5U)

■ FEATURE

- * PROGRAMMABLE DC POWER SUPPLY
- * LINEAR TYPE , SINGLE OUTPUT
- * C.V(CONSTANT VOLTAGE) MODE OPERATION
- * C.C(CONSTANT CURRENT) MODE OPERATION
- * AUTO SEQUENCE FUNCTION
- * SEQUENCE GROUP MEMORY (00~10 GROUP)
- * MEMORY STORE & RECALL 100 POINTS (STEP)
- * TIME/SLOPE/COUNTER/O.V.P SETTING FUNCTION
- * O.V.P/O.C.P PROTECTION FUNCTION
- * OUTPUT ON/OFF FUNCTION
- * V-SENSING FUNCTION
- * RS-232C/RS-485 INTERFACE (GP-IB OPTION)
- * EXT AUTO CALIBRATION FUNCTION
- * HIGH STABILITY & HIGH ACCURACY
- * LOW DRIFT & LOW RIPPLE
- * 16BIT "LCD" DIGITAL DISPLAY ,BACK LIGHT

■ APPLICATION

- * 각종 전기, 전자 관련 생산 및 R&D 시험용
- * 충전 및 방전 시스템 의 배터리 충전용
- * 자동차 부품 구동 TEST 용
- * 반도체, PCB, 각종 소자 부품 TEST용
- * 전기 분해 및 도금 등의 전원 인가용
- * MOTOR 및 관련 부품 구동 TEST 용
- * 전자부하장치 부하 TEST 용
- * 품질 보증 및 신뢰성 시험용

* SPECIFICATION	MODEL	PTDP-3050	PTDP-5030	PTDP-10015	PTDP-15010	PTDP-3005	PTDP-5003
	OUTPUT	30V 50A	50V 30A	100V 15A	150V 10A	300V 5A	500V 3A
DC OUTPUT	WATTAGE	1,500W	1,500W	1,500W	1,500W	1,500W	1,500W
	VOLTAGE (C.V)	0 ~ 30V	0 ~ 50V	0 ~ 100V	0~150V	0~300V	0~500V
	CURRENT (C.C)	0 ~ 50A	0 ~ 30A	0 ~ 15A	0~10A	0~5A	0~3A
Programming Accuracy (At 25°C ±5°C)	VOLTAGE	0.04% + 10mV	0.04% + 20mV	0.04% + 60mV	0.06% + 80mV	0.1% + 200mV	0.1% + 300mV
	CURRENT	0.1% + 50mA	0.1% + 30mA	0.1% + 20mA	0.1% + 10mA	0.1% + 5mA	0.1% + 3mA
RIPPLE & NOISE (from 20Hz to 20MHz)	VOLTAGE(rms/p-p)	5mV/10mV	5mV/10mV	10mV/20mV	15mV/30mV	30mV/100mV	50mV/150mV
	CURRENT	100mA	40mA	30mA	20mA	10mA	6mA
Readback Accuracy (At 25°C ±5°C)	VOLTAGE	0.04% + 10mV	0.04% + 20mV	0.04% + 60mV	0.06% + 80mV	0.1% + 200mV	0.1% + 300mV
	CURRENT	0.1%+50mA	0.1%+30mA	0.1% + 10mA	0.1%+10mA	0.1% + 5mA	0.1%+3mA
LOAD REGULATION	VOLTAGE	7mV	10mV	20mV	30mV	70mV	100mV
	CURRENT	50mA	20mA	10mA	10mA	3mA	3mA
LINE REGULATION	VOLTAGE	7mV	10mV	20mV	20mV	70mV	100mV
	CURRENT	5mA	2mA	2mA	2mA	2mA	2mA
CONTROL & DISPLAY RESOLUTION	VOLTAGE	1mV	10mV	10mV	10mV	10mV	100mV
	CURRENT	10mA	1mA	1mA	1mA	1mA	0.1mA
WEIGHT (APPROX)		52 Kg	50 Kg	49 Kg	48 Kg	47 Kg	47 Kg
DIMENSION (W*H*D mm)	Bench Type	W:430 x H:200 x D:550 mm (W:Width x H:Height x D:Depth)					
	Rack Type	W:432 x H:223 x D:500 mm (Standard 19" 5U SubRack Case)					
RECTIFICATION TYPE		LINEAR Transformer Type & FET TR Control Type					
OPERATING MODE		C.V ↔ C.C AUTO Change Mode & Only C.C Mode					
DISPLAYER	VOLTAGE	2 x 20 VFD or LCD Digital Display OF 5 Reading/Sec					
	CURRENT	2 x 20 VFD or LCD Digital Display OF 5 Reading/Sec					
PROTECTION SETTING	OVER VOLTAGE	Full Scale Of DC Output Voltage + 7% (Output shut down)					
	OVER CURRENT	Full Scale Of DC Output Current + 2% (Only O.C.P Output Mode Output shut down)					
	TEMPERATURE	Only Heat Sink 85°C (+/-0.05% after 20 minute warm up, constant Line, Load & Temperature)					
AUTO SEQUENCE FUNCTION	AUTO RUN STEP	Maximum 100 STEP					
	MEMORY GROUP	0 ~ 9 GROUP Memory & Recall					
	SETTING TIME	1msec ~ 50,000 sec [Minimum Time Ability ≤ 10%]					
	SLOPE TIME	1msec ~ 1,000 sec [Minimum Time Ability ≤ 10%]					
	COUNTER	1 ~ 50,000 CYCLE ("0" SET: ∞)					
TRANSIENT RECOVERY TIME		150 μs (50% Load Charge , Minimum Load 0.5A)					
MEMORY ADDRESS		Max. 100 STEP (VOLTAGE, CURRENT, TIME, SLOPE , OVP)					
INTERFACE FOR PC		RS-232C & RS-485 (Baud Rate : 4800 bps ~ 19200 bps / Default : 9600 bps) // GP-IB [IEEE-488] (Option)					
AC INPUT SOURCE		AC 110V / 220V / 380V / 440V ± 10% , 50/60Hz (CUSTOMER MADE)					
AC-DC OUTPUT EFFICIENCY		AC Input 1-Phase Approx. 50% ~ 65%					
OPERATING ENVIRONMENT		0~50°C , 80% R.H.					
ACCESSORIES		AC Input Cord, Manual , DC Output Cable , Software(RS-232C Demo) CD , RS-232C Cable, V-Sense Cable					
OPTION FUNCTION		*[1] (+)~(-) Bi-Polar 양전원기능 & Pulse/Reverse (정역)기능 *[2] EXT Analog Input/Output *[3] EXT DC Output ON/OFF Control					

* 기타 용량 및 주문제작 가능하오니 문의 바랍니다.

* 파워티엠 - www.powertm.co.kr