

PROGRAMMABLE DC POWER SUPPLY

PTDP - 1KW SERIES SPECIFICATIONS



■ 19" SUB RACK CASE (4U)

■ 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-3030	PTDP-5020	PTDP-10010	PTDP-1507	PTDP-3003
	OUTPUT	30V 30A	50V 20A	100V 10A	150V 7A	300V 3A
DC OUTPUT	WATTAGE	900W	1,000W	1,000W	1050W	900W
	VOLTAGE (C.V)	0 ~ 30V	0 ~ 50V	0 ~ 100V	0 ~ 150V	0 ~ 300V
	CURRENT (C.C)	0 ~ 30A	0 ~ 20A	0 ~ 10A	0 ~ 7A	0 ~ 3A
Programming Accuracy (At 25°C±5°C)	VOLTAGE	0.04% + 8mV	0.04% + 20mV	0.04% + 30mV	0.06% + 80mV	0.1% + 150mV
	CURRENT	0.1% + 30mA	0.1% + 20mA	0.1% + 20mA	0.1% + 3mA	0.1% + 3mA
RIPPLE & NOISE (from 20Hz to 20MHz)	VOLTAGE(rms/p-p)	4mV/8mV	5mV/10mV	5mV/20mV	15mV/50mV	30mV/90mV
	CURRENT	60mA	40mA	20mA	5mA	6mA
Readback Accuracy (At 25°C±5°C)	VOLTAGE	0.04% + 8mV	0.04% + 20mV	0.04% + 30mV	0.06% + 80mV	0.1% + 150mV
	CURRENT	0.1%+30mA	0.1%+20mA	0.1% + 10mA	0.1%+3mA	0.1% + 3mA
LOAD REGULATION	VOLTAGE	5mV	10mV	10mV	20mV	30mV
	CURRENT	30mA	20mA	10mA	3mA	3mA
LINE REGULATION	VOLTAGE	5mV	10mV	20mV	20mV	30mV
	CURRENT	3mA	2mA	2mA	2mA	2mA
CONTROL & DISPLAY RESOLUTION	VOLTAGE	1mV	10mV	10mV	10mV	10mV
	CURRENT	1mA	1mA	1mA	1mA	0.1mA
WEIGHT (APPROX)		38 Kg	36 Kg	35 Kg	34 Kg	33 Kg
DIMENSION (W*H*D mm)	Bench Type	W:430 x H:200 x D:500 mm (W:Width x H:Height x D:Depth)				
	Rack Type	W:483 x H:177 x D:500 mm (Standard 19" 4U 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 (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