

PROGRAMMABLE DC POWER SUPPLY

PTDP - 600W 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-3020	PTDP-5015	PTDP-1006	PTDP-1505	PTDP-3002
	OUTPUT	30V 20A	50V 15A	100V 6A	150V 5A	300V 2A
DC OUTPUT	WATTAGE	600W	750W	600W	750W	600W
	VOLTAGE (C.V)	0 ~ 30V	0 ~ 50V	0 ~ 100V	0 ~ 150V	0 ~ 300V
	CURRENT (C.C)	0 ~ 20A	0 ~ 15A	0 ~ 6A	0 ~ 5A	0 ~ 2A
Programming Accuracy (At 25°C ±5°C)	VOLTAGE	0.04% + 7mV	0.04% + 20mV	0.04% + 30mV	0.06% + 80mV	0.1% + 150mV
	CURRENT	0.1% + 15mA	0.1% + 10mA	0.1% + 20mA	0.1% + 3mA	0.1% + 3mA
RIPPLE & NOISE (from 20Hz to 20MHz)	VOLTAGE(ms/p-p)	4mV/7mV	5mV/10mV	5mV/20mV	15mV/50mV	30mV/90mV
	CURRENT	30mA	20mA	20mA	5mA	6mA
Readback Accuracy (At 25°C ±5°C)	VOLTAGE	0.04% + 7mV	0.04% + 20mV	0.04% + 30mV	0.06% + 80mV	0.1% + 150mV
	CURRENT	0.1%+15mA	0.1% + 10mA	0.1% + 10mA	0.1%+3mA	0.1% + 3mA
LOAD REGULATION	VOLTAGE	4mV	10mV	10mV	20mV	100mV
	CURRENT	15mA	10mA	10mA	3mA	3mA
LINE REGULATION	VOLTAGE	4mV	10mV	20mV	20mV	100mV
	CURRENT	2mA	2mA	2mA	2mA	2mA
CONTROL & DISPLAY RESOLUTION	VOLTAGE	1mV	10mV	10mV	10mV	10mV
	CURRENT	1mA	1mA	1mA	1mA	0.1mA
WEIGHT (APPROX)		34 Kg	32 Kg	31 Kg	32 Kg	30 Kg
DIMENSION (WxHxD mm)	Bench Type					
	Rack Type	W:432 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 Guarantee Time 100ms]				
	SLOPE TIME	1msec ~ 1,000 sec [Minimum Guarantee Time 100ms]				
	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 & 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