

# PROGRAMMABLE DC POWER SUPPLY



## PTDP - 6KW SERIES SPECIFICATIONS



### 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 TEST 용
- \* 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-30200	PTDP-50100	PTDP-10060	PTDP-15040	PTDP-30020
	OUTPUT	30V 200A	50V 100A	100V 60A	150V 40A	300V 20A
DC OUTPUT	WATTAGE	6,000W	5,000W	6,000W	6,000W	6,000W
	VOLTAGE (C.V)	0 ~ 30V	0 ~ 50V	0 ~ 100V	0~150V	0~300V
	CURRENT (C.C)	0 ~ 200A	0 ~ 100A	0 ~ 60A	0~40A	0~20A
Programming Accuracy (At 25°C±5°C)	VOLTAGE	0.04% + 23mV	0.04% + 30mV	0.04% + 60mV	0.06% + 90mV	0.1% + 150mV
	CURRENT	0.1% + 200mA	0.1% + 100mA	0.1% + 20mA	0.1% + 40mA	0.1% + 20mA
RIPPLE & NOISE (from 20Hz to 20MHz)	VOLTAGE(rms/p-p)	5mV/10mV	6mV/12mV	5mV/20mV	15mV/30mV	30mV/90mV
	CURRENT	400mA	200mA	100mA	60mA	40mA
Readback Accuracy (At 25°C±5°C)	VOLTAGE	0.04% + 23mV	0.04% + 30mV	0.04% + 60mV	0.06% + 90mV	0.1% + 150mV
	CURRENT	0.1%+200mA	0.1%+100mA	0.1% + 10mA	0.1%+40mA	0.1%+20mA
LOAD REGULATION	VOLTAGE	20mV	10mV	10mV	20mV	30mV
	CURRENT	200mA	100mA	50mA	40mA	20mA
LINE REGULATION	VOLTAGE	20mV	10mV	20mV	20mV	30mV
	CURRENT	20mA	10mA	8mA	6mA	2mA
CONTROL & DISPLAY RESOLUTION	VOLTAGE	1mV	10mV	10mV	10mV	10mV
	CURRENT	10mA	10mA	10mA	10mA	1mA
WEIGHT (APPROX)		195 Kg	194 Kg	195 Kg	194 Kg	193 Kg
DIMENSION (W*H*D mm)	Bench Type	W:600 x H:1120 x D:680 mm (W:Width x H:Height x D:Depth)				
	Rack Type	W:600 x H:1200 x D:650 mm (Standard 19" 22U Rack Mount 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](http://www.powertm.co.kr)