

REGULATED DC POWER SUPPLY

PTAP - 300W SERIES SPECIFICATIONS



■ 19" SUB RACK CASE (3U)

■ FEATURE

- * REGULATED DC POWER SUPPLY
- * LINEAR TYPE , SINGLE OUTPUT
- * C.V(CONSTANT VOLTAGE) MODE OPERATION
- * C.C(CONSTANT CURRENT) MODE OPERATION
- * O.V.P PROTECTION FUNCTION
- * OUTPUT ON/OFF FUNCTION
- * V-SENSING FUNCTION
- * HIGH STABILITY & HIGH ACCURACY
- * LOW DRIFT & LOW RIPPLE
- * EXT REMOTE ANALOG INPUT CONTROL
- * EASY OPERATION , WITH VOLUME

■ 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	PTAP-3010	PTAP-505	PTAP-1003	PTAP-1502	PTAP-3001
	OUTPUT	30V 10A	50V 5A	100V 3A	150V 2A	300V 1A
DC OUTPUT	WATTAGE	300W	250W	300W	300W	300W
	VOLTAGE (C.V)	0~30V	0~50V	0~100V	0~150V	0~300V
	CURRENT (C.C)	0~10A	0~5A	0~3A	0~2A	0~1A
RIPPLE REJECTION (rms/p-p)		0.02% + 3/30 mV	0.02% + 3/30 mV	0.02% + 3/30 mV	0.02% + 4/40 mV	0.02% + 5/50 mV
LOAD REGULATION		0.03% + 20 mV	0.03% +20 mV	0.03% +20mV	0.03% +20 mV	0.03% +25 mV
LINE REGULATION		0.03% + 20 mV	0.03% +20 mV	0.03% +20 mV	0.03% +20 mV	0.03% +20 mV
CONTROL & DISPLAY RESOLUTION	VOLTAGE	0.1V	0.1V	0.1V	0.1V	1V
	CURRENT	0.01A	0.01A	0.01A	0.01A	0.001A
WEIGHT (APPROX)		18 Kg	17 Kg	17 Kg	16 Kg	16 Kg
DIMENSION (W*H*D mm)	Bench Type	W:250 x H:177 x D:360 mm (W:Width x H:Height x D:Depth)				
	Rack Type	W:432 x H:133 x D:360 mm (Standard 19" 4U SubRack Case)				
* COMMON FUNCTION						
RECTIFICATION TYPE		LINEAR Transformer Type				
OPERATING MODE		C.V ↔ C.C AUTO Change Mode				
DISPLAYER	VOLTAGE	7 Segment LED 3 1/2 Digit Digital Display				
	CURRENT	7 Segment LED 3 1/2 Digit Digital Display				
PROTECTION SETTING	OVER VOLTAGE	Full Scale Of DC Output VOLTAGE + 3% (Output shut down)				
	OVER CURRENT	Full Scale Of DC Output CURRENT + 3% (Output VOLTAGE Drop & C.C Mode CURRENT Limit)				
	TEMPERATURE	Only Heat Sink 85℃ (+/-0.05% after 20 minute warm up, constant Line, Load & Temperature)				
V-SENSE FUNCTION		For Load Regulation VOLTAGE Drop				
EXT ANALOG INPUT (VOLTAGE CONTROL)		0~10V DC Input / 0~Full Scale DC Output VOLTAGE				
TRANSIENT RECOVERY TIME		100 μs (50% Load Charge , Minimum Load 0.5A)				
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℃ , 80% R.H.				
ACCESSORIES		AC Input Cord, Manual , DC Output Cable , V-Sense Cable				
* OPTION FUNCTION						
BI-POLAR FUNCTION		DC Output Running (+) or (-) Reverse Polar Change Key Function				
BI-POLAR DISPLAY		(+) or (-) VOLTAGE Sign Display				
TIMER ON/OFF FUNCTION		DC Output ON TIME & OFF TIME Setting				
COUNTER FUNCTION		DC Output ON & OFF Cycle Counting Function				
EXT ANALOG INPUT (CURRENT CONTROL)		0~10V DC Input / 0~Full Scale DC Output CURRENT Limit				
EXT ANALOG OUTPUT (V,A MONITORING)		VOLTAGE & CURRENT Value Monitoring 0~100%, 0~5V				
EXT DC OUTPUT ON/OFF CONTROL		By Electrical Signal or Open/Short				
RS-232C INPUT (V,A CONTROL)		CURRENT Control 0~100%, RS-232C Type				
RS-232C OUTPUT (V,A MONITORING)		VOLTAGE & CURRENT Value 0~100%, RS-232C Type				
AC INPUT SOURCE (3-Phase)		AC-DC Efficiency AC Input 3-Phase Approx. 70%				

* 기타 용량 및 주문제작 가능하오니 문의 바랍니다.

* 파워티엠 - www.powertm.co.kr

Power Test & Measurement