

DC POWER SUPPLY (SCR정류기) MODEL: PTRF-Series



■ FEATURE

- * 가변형 직류 전원공급기 (정류기)
- * SCR CONTROL TYPE
- * DC 20KW ~ 600KW OUTPUT
- * C.V & C.C MODE OPERATION
- * 전압, 전류 DIGITAL METER

■ APPLICATION

- * 각종 전기, 전자 관련 생산 및 R&D 시험용
- * 충전 및 방전 시스템의 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

SPECIFICATION	MODEL	PTRF-20K	PTRF-30K	PTRF-50K	PTRF-100K	PTRF-150K	PTRF-200K
	OUTPUT	50V 400A	50V 600A	50V 1000A	100V 1000A	150V 1000A	200V 1000A
DC OUTPUT	WATTAGE	20KW	30KW	50KW	100KW	150KW	200KW
	VOLTAGE (C.V)	0~50V	0~50V	0~50V	0~100V	0~150V	0~200V
	CURRENT (C.C)	0~400A	0~600A	0~1000A	0~1000A	0~1000A	0~1000A
RIPPLE & NOISE (20Hz to 20MHz)		≥ ±3%	≥ ±3%	≥ ±3%	≥ ±3%	≥ ±3%	≥ ±3%
LOAD REGULATION		≥ ±0.5%	≥ ±0.5%	≥ ±0.7%	≥ ±0.7%	≥ ±1%	≥ ±1%
LINE REGULATION		≥ ±0.5%	≥ ±0.5%	≥ ±0.7%	≥ ±0.7%	≥ ±1%	≥ ±1%
CONTROL & DISPLAY RESOLUTION	VOLTAGE	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	CURRENT	1A	1A	1A	1A	1A	1A
WEIGHT (APPROX)		250kg	300kg	400kg	500kg	700kg	950kg
DIMENSION (W*H*D mm)		600x1400x800	600x1400x800	700x1600x800	700x1600x800	700x1800x800	700x1800x800

* COMMON FUNCTION

RECTIFICATION TYPE	SCR Control Type	
OPERATING MODE	C.V / C.C 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)
AC INPUT SOURCE	AC 380V / 440V ± 10% , 50/60Hz (CUSTOMER MADE)	
AC-DC OUTPUT EFFICIENCY	AC Input 3-Phase Approx. 70%~80%	
OPERATING ENVIRONMENT	0~50℃ , 80% R.H.	
ACCESSORIES	AC Input Cord, Manual , DC Output Cable	

* OPTION FUNCTION

TIMER ON/OFF FUNCTION	DC Output ON TIME & OFF TIME Setting
COUNTER FUNCTION	DC Output ON & OFF Cycle Counting Function
EXT ANALOG INPUT (VOLTAGE CONTROL)	0~10V DC Input / 0~Full Scale DC Output VOLTAGE
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