

DC Power Supply

Triple-output Linear DC Power Supply TPR-300D Series

Product description:

TPR-Series are linear DC power supplies with 3 channels, 195W to 315W output. In constant vol and current operations, the power supply provides high regulation and low ripple & noise. Auto series and par operations double output voltage and current. Heat sink and automatic cooling fan control give sufficient cooling to power supply and minimize fan noise output ON/OFF control and preset voltage & current function protect the po supply and related loads from unexpected damages. This series are widely used in application powering operational amplifier, push pull stages, logic circuit and definition systems.



TPR-300D series

TPR-300D/DT Series
Rear panel



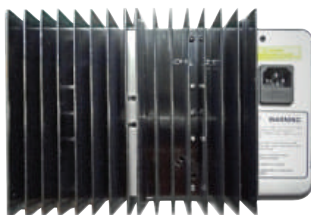
Ordering Informations

TPR-303D : Triple-output DC Power Supply 30V/3A*2CH, 3V/3A*1CH
TPR-305D : Triple-output DC Power Supply 30V/5A*2CH, 5V/3A*1CH
TPR-303DT : Triple-output DC Power Supply 30V/3A*2CH, 5V/3A*1CH
TPR-305DT : Triple-output DC Power Supply 30V/5A*2CH, 3V/3A*1CH
TPR-303DTP : Triple-output DC Power Supply 30V/3A*2CH, 5V/3A*1CH
TPR-305DTP : Triple-output DC Power Supply 30V/5A*2CH, 5V/3A*1CH

Features

- ◆ Two independent adjustable outputs 0-30V/0-3Ax2, 0-30V/0-5Ax2, fixed output 5V/3A.
- ◆ Preset function, setting of voltage and current with output open circuit (TPR-DTP series)
- ◆ Constant voltage and constant current operations, auto CV and CC switch.
- ◆ Over load and reverse polarity protections.
- ◆ Auto Series and Parallel tracking operations.
- ◆ Dual-color four digital panel meters
- ◆ High efficiency, high power density
- ◆ Output ON/OFF control

TPR-300DTP Series
Rear panel



Specifications

Model		TPR-303D	TPR-303DT	TPR-303DTP	TPR-305D	TPR-305DT	TPR-305DTP
Rated Output	CH1	0 ~ 30V / 0 ~ 3A			0 ~ 30V / 0 ~ 5A		
	CH2	0 ~ 30V / 0 ~ 3A			0 ~ 30V / 0 ~ 5A		
	CH3	5V / 3A					
Tracking & ON/OFF Output		√	√	√	√	√	√
Preset V&I				√			√
Constant Voltage Operation							
Line Regulation		≤0.01%+3mV					
Load Regulation		≤0.01%+3mV			≤ 0.02%+5mV		
Ripple & Noise (5Hz~1MHz)		≤1mVrms			≤2mVrms		
Recovery Time		≤100μs (50% load change, minimum load 0.5A)					
Temp. Coefficient		≤300ppm/°C					
Constant Current Operation							
Line Regulation		≤0.2%+3mA					
Load Regulation		≤0.2%+3mA			≤0.2%+5mA		
Ripple & Noise (5Hz~1MHz)		≤3mAms			≤5mAms		
Tracking Operation							
Parallel	Line Regulation	≤0.01%+3mV					
	Load Regulation	≤0.01%+3mV			≤0.02%+5mV		
Series	Line Regulation	≤0.01%+5mV					
	Load Regulation	≤300mV					
	Tracking Error	≤0.5%+10mV of the master, no load (with load, add load regulation ≤300mV)					
Auxiliary Output (Fxi ed)							
Output Voltage		5V±0.25V					
Output Current		3A					
Load Regulation		≤25mV @110/220VAC rate input					
Ripple & Noise (5Hz~1MHz)		≤2mVrms					
General Specifications							
Insulation		Between base and output terminal : ≥20MΩ/500VDC					
		Between base and AC power cord : ≥300MΩ/500VDC					
Operation Environment		0°C ~ 40°C <80%RH					
Storage Environment		-10°C ~ 70°C, <70%RH					
Power Input		AC 220V±10%, 50/60Hz					
Dimension (WxHxD)		255 x 155 x 330 mm.			255 x 155 x 370 mm.		
Weight		7kg			9kg		