

Encode Control Tripple Channel DC Power Supplies



Features

- Complete digital control for MPN 72-13300 & 72-13310 only
- Complete programmable for MPN 72-13320 & 72-13330 only
- 10mV / 1mA resolution
- Low noise and ripple
- C4V / CC constant voltage and constant current modes
- Industrial grade, with load for a long time
- Over-Current Protection, output ON/OFF control and panel LOCK function
- Shutdown memory
- Series and parallel connections

Specification Table

Characteristics	Values			
	72-13300	72-13310	72-13320	72-13330
Voltage Range / Current Range	0-30V / 0-3A × 2, 5V, 3.3V, 2.5V / 3A × 1	0-30V / 0-5A × 2, 5V, 3.3V, 2.5V / 3A × 1	0-30V / 0-3A × 2, 5V, 3.3V, 2.5V / 3A × 1	0-30V / 0-5A × 2, 5V, 3.3V, 2.5V / 3A × 1
Load Regulation	Voltage: ≤0.01%+3mv / Current: ≤0.1%+5mA	Voltage: ≤0.01%+5mV / Current: ≤0.1%+10mA	Voltage: ≤0.01%+3mv / Current: ≤0.1%+5mA	Voltage: ≤0.01%+5mV / Current: ≤0.1%+10mA
Line Regulation	Voltage: ≤0.01%+3mv / Current: ≤0.1%+3mA	Voltage: ≤0.01%+3mV / Current: ≤0.1%+3mA	Voltage: ≤0.01%+3mv / Current: ≤0.1%+3mA	Voltage: ≤0.01%+3mV / Current: ≤0.1%+3mA
Setup Resolution	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA
Setup Accuracy (25°C ±5°C)	Voltage: ≤0.5%+20mV / Current: ≤0.5%+5mA	Voltage: ≤0.5%+20mV / Current: ≤0.5%+10mA	Voltage: ≤0.5%+20mV / Current: ≤0.5%+5mA	Voltage: ≤0.5%+20mV / Current: ≤0.5%+10mA
Ripple (20Hz ~ 20M)	Voltage: ≤1mVrms / Current: ≤3mA	Voltage: ≤2mVrms / Current: ≤3mA	Voltage: ≤1mVrms / Current: ≤3mA	Voltage: ≤2mVrms / Current: ≤3mA
Temp. Coefficient	Voltage: 100ppm+10mV / Current: ≤100ppm+5mA	Voltage: 100ppm+10mV / Current: ≤100ppm+5mA	Voltage: 100ppm+10mV / Current: ≤100ppm+5mA	Voltage: 100ppm+10mV / Current: ≤100ppm+5mA
Read Back Accuracy	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA	Voltage: 10mV / Current: 1mA
Read Back Temp. Coefficient	Voltage: ≤100ppm+10mv / Current: ≤100ppm+5mA	Voltage: ≤100ppm+10mV / Current: ≤100ppm+5mA	Voltage: ≤100ppm+10mv / Current: ≤100ppm+5mA	Voltage: ≤100ppm+10mV / Current: ≤100ppm+5mA

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Characteristics	Values			
	72-13300	72-13310	72-13320	72-13330
Reaction Time (10% Rated load)	Voltage Rise: $\leq 100\text{mS}$ / Voltage Drop: $\leq 100\text{mS}$	Voltage Rise: $\leq 100\text{mS}$ / Voltage Drop: $\leq 100\text{mS}$	Voltage Rise: $\leq 100\text{mS}$ / Voltage Drop: $\leq 100\text{mS}$	Voltage Rise: $\leq 100\text{mS}$ / Voltage Drop: $\leq 100\text{mS}$
Load Regulation of Parallel	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$
Load Regulation of Series	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$	Voltage: $\leq 0.1\%+0.2\text{V}$
CH3 Specifications	Voltage Accuracy: $\pm 50\text{mV}$ Load Regulation: $\pm 50\text{mV}$	Voltage Accuracy: $\pm 50\text{mV}$ Load Regulation: $\pm 50\text{mV}$	Voltage Accuracy: $\pm 50\text{mV}$ Load Regulation: $\pm 50\text{mV}$	Voltage Accuracy: $\pm 50\text{mV}$ Load Regulation: $\pm 50\text{mV}$
Accessories	User manual, Power cord (1.2m, 1×UK plug & 1×EURO plug)		User manual, Power cord (1.2m, 1×UK plug & 1×EURO plug), USB cord (1.2m), Software CD	
Interfaces	-		USB, RS232 & LAN	
Weight	7.8kgs	10.3kgs	7.88kgs	10.38kgs
Dimension (W×H×D)	146mm×252mm×375mm			

Input Voltage: 230V ($\pm 10\%$)

Part Number Table

Description	Part Number
Tripple Channel DC Power Supply with Digital Encoder Control	72-13300
	72-13310
Tripple Channel DC Power Supplies with USB, RS232 & LAN Interfaces	72-13320
	72-13330

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