

High Cost-Performance Power Supplies



718-5D/718-10D/718-20D
REGULATED DC POWER SUPPLY

●GENERAL

The 700 Series of single output power supplies bracket the most often used DC voltage and current ranges and offer superior performance in terms of voltage and current regulation, low ripple and metering capabilities. All provide isolated outputs with high resistance and high potential insulation. Operating features include constant voltage and constant current modes, mode indicators, adjustable current limits and automatic over-load recovery. Three units are voltage stackable and selected units are capable of shunt operation and voltage tracking. CE is available for the 700 Series.

[High Current models]

Model	Voltage, Current
718-10D	0 to 18 V, 0 to 10 A
718-20D	0 to 18 V, 0 to 20 A

●FEATURES

3 1/2 Digit LED Readout of Voltage and Current
± 0.5% rdg ± 2 Digits Accuracy
< 1 mV rms Ripple and Noise
< 100 μs Recovery Time
Automatic Constant-Voltage, Constant-Current Crossover
Adjustable Current Limiting
Series Operation
Parallel Operation*
Remote Control*
* Models 718-5D

[Remote Controllabe model]

Model	Voltage, Current
718-5D	0 to 18 V, 0 to 5 A

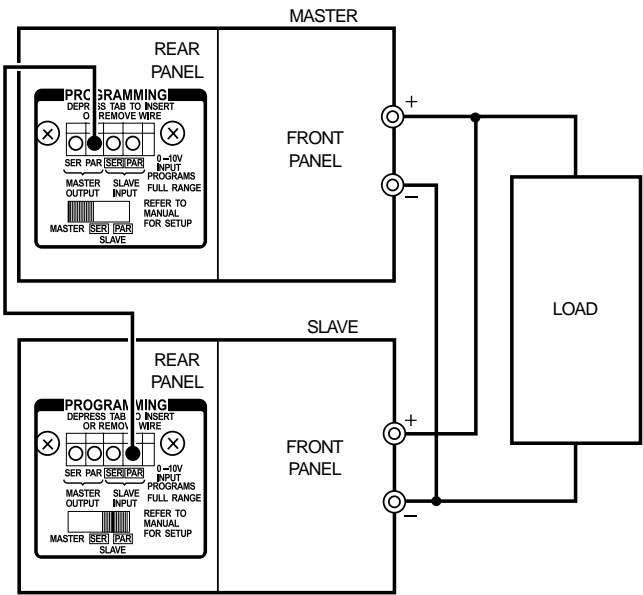
●SPECIFICATIONS

Model	718-5D	718-10D	718-20D
Output Voltage	0 to 18 V		
Output Polarity	Positive or negative		
Output Current	0 to 5 A	0 to 10 A	0 to 20 A
Constant Voltage			
Ripple Voltage	≤1 mVrms	≤1 mVrms	≤1 mVrms
Regulation Line	≤0.01%+3 mV	≤0.01%+3 mV	≤0.01%+3 mV
Regulation Load	≤0.01%+5 mV	≤0.02%+5 mV	≤0.02%+5 mV
Recovery Time	≤100 μs	≤100 μs	≤100 μs
Constant Current			
Ripple Current	≤3 mArms	≤3 mArms	≤5 mArms
Regulation Line	≤0.2%+3 mA	≤0.2%+3 mA	≤0.2%+3 mA
Regulation Load	≤0.2%+3 mA	≤0.2%+3 mA	≤0.2%+3 mA
Voltmeter	3 1/2 digit LED ±(0.5% rdg +2 dgt)		
Ammeter	3 1/2 digit LED ±(0.5% rdg +2 dgt)		
Insulation			
Chassis & Terminal	≥20 MΩ, 500 VDC	≥20 MΩ, 500 VDC	≥100 MΩ, 1 kVDC
Chassis & AC Plug	≥30 MΩ, 500 VDC	≥30 MΩ, 500 VDC	≥100 MΩ, 1 kVDC
Environmental Conditions	Operation Temperature and Humidity : 0°C to 40°C, <80%RH (without condensation) Storage Temperature and Humidity : -10°C to 70°C, <70%RH (without condensation)		
Power Requirements	100 V, 120 V, 220 V, 240 VAC ± 10% (250 V max.), 50/ 60 Hz User Switchable		
Dimensions (W x H x D)	128 x 145 x 285 mm	255 x 145 x 335 mm	255 x 145 x 420 mm
Weight	5.5 kg	11.5 kg	18.5 kg
Accessories	Test lead GTL-104(Max. 600 V, Max. 10 A).....1 (718-20D: No Test lead) Power cord.....1 Instruction manual.....1		

Master-Slave system (718-5D)

■Parallel Operation

Two power supplies may be connected in parallel to provide rating voltage and higher current output.



■Series Operation

Two power supplies can be connected in series to provide higher voltage and rating current output.

