INDUSTRIAL EQUIPMENT
Programmable DC Power Supply 3KW / D3000

Features

- Full range input voltage 170–265 VAC
- Auto-switch constant voltage and current output
- Superimposed voltage by 2 units of series operation
- Supports active current balance via 4 units of parallel operation
- Comprehensive circuit and fan protection

OBC   Communication   Component   Consumer
      Equipment   Goods

ΔELTA

Accurate, Fast Response and Easy to Measure

The D3000 programmable DC power supply is equipped with active power factor correction to improve circuit efficiency. The full range input voltage makes it suitable for most industries and countries without requiring a voltage conversion switch. Monitor the output voltage, current, and working status in real time; also set the output voltage, current, protection, and settings preview via the front LED panel. The system includes various I/O connectors and can monitor the output voltage and current by remote control signal or an RS-232 / RS-485 / GPIB interface, making it ideal for laboratory or large-scale mass production testing.

Connector

RS-232   RS-485   GPIB

Specifications

Model Name	D3000
Electrical	
Input voltage range	170-265Vac (1Φ), 47-63Hz
Max. output power	3000W
Output voltage range	0 ~ 600Vdc
Output current range	0 ~ 6A
Output voltage accuracy/resolution	± (0.05% + 0.05% F.S.) / 0.012% full scale
Output current accuracy/resolution	± (0.1% + 0.2% F.S.) / 0.012% full scale
Efficiency	88%(200Vac input under 100% load)
Load voltage regulation (CV mode)	≤ 0.015% of full scale +5mV
Line voltage regulation (CV mode)	≤ 0.01% of full scale +2mV
Load current regulation (CC mode)	≤ 0.02% of full scale +5mA
Line current regulation (CC mode)	≤ 0.01% of full scale +2mA
Operation mode	CV / CC
Voltage rise time	< 150ms (rated load by fixed resistor)
Voltage fall time	< 150ms (full load) < 3s (no load)
Protection	OVP, UVL, OCP, OPP, OTP, SCP, Fan Lock
Certification	CE
Operating temperature	0 ~ 50°C
Mechanism	
Cooling system	Fan Cooling
Dimensions (L x W x H)	437.8 x 422.8 x 43.6 mm
Weight	8.8 Kg
AC input connector	RS232, RS485, GPIB

Control Interface

Front

Power Switch   Voltage Knob   LED Panel   Current Knob

Back

GPIB   Auxiliary Output

DC Output   AC Input

Sense Terminal   Analog Monitoring Connector

RS232 / 485

Setting Switch
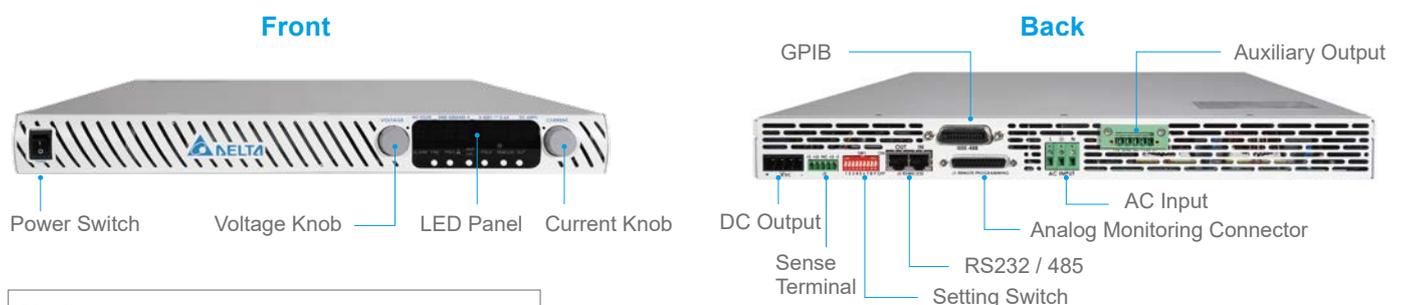
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