

DPM8650 DC/DC VOLTAGE CONVERTER

COMPACT 3000 W BUCK CONVERTER WITH STORABLE OPERATING MODES

JOY-IT

SPECIAL FEATURES

- ✓ Programmable output voltage
- ✓ Programmable output current
- ✓ CV & CC operation
- ✓ Ten programmable presets
- ✓ Remote controllable via TTL, MODBUS & RS-485 (incl. free PC software)
- ✓ Digital LCD display for voltage, current & temperature
- ✓ Automatic, temperature-controlled fan



Experience exceptional flexibility and maximum reliability in a compact housing - our modern power supply gets your projects to their destination quickly and precisely. Regardless of whether you are realizing delicate measurement setups in the laboratory, testing robust prototypes in the workshop or carrying out continuous load tests in a professional environment: This device always offers smooth transitions between different operating states and adapts perfectly to your workflows.

The clearly structured display makes monitoring and adjusting your parameters child's play, while the quiet, temperature-controlled fan ensures that the appliance electronics remain at the ideal operating temperature under all loads. Thanks to storable operating modes, you have your preferred settings to hand in a flash - for maximum efficiency and minimum time expenditure.

Its robust design and high-quality workmanship guarantee durability, even under demanding conditions. The versatile connectivity options enable seamless integration into existing control and automation environments, and with the optional remote control you gain additional flexibility for remote or automated applications. Rely on a powerful, reliable system that delivers uncompromising performance and drives your innovations forward.

Our module also impresses with its energy-efficient operation: state-of-the-art switching technology minimizes heat and power losses so that you always enjoy stable performance, even during long periods of use. The sophisticated housing design ensures optimum air circulation and easy maintenance without compromising on safety. With this reliable partner, you can implement your projects efficiently and sustainably - for results that impress and save resources.

MAIN FEATURES

Interfaces	TTL, MODBUS, RS-485
Constant modes	CC (constant current) & CV (constant voltage)
Temperature control	Automatic, temperature-controlled fan

INPUT PARAMETERS

Input voltage range	10 - 75 V
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OUTPUT PARAMETERS

Output voltage range	0 - 60 V
Output current range	0 - 50 A
Output power range	0 - 3000 W

PERFORMANCE DATA

Resolution of the output voltage	10 mV
Resolution of the output current	10 mA
Output ripple	< 50 mVpp
Conversion efficiency	92%
Display accuracy	Voltage: 10 mV, current: 10 mA
Voltage fault tolerance	0.2 % + 1 position
Current measurement error tolerance	0.5 % + 1 position
Response time	< 50 ms

FURTHER INFORMATION

Weight	2200 g
Dimensions	112 x 131 x 55 mm
Item number	JT-DPM8650
Scope of delivery	JT-DPM8650
Customs tariff number	8504403000
EAN	4250236827469

