

# PROGRAMMABLE LABORATORY POWER SUPPLY

JT-RD6006-C



With the RD6006-C you have a reliable and powerful laboratory power supply at your service. With an output voltage range of 0 - 60 V and a power of 0 - 360 W you are able to master any kind of project.

The compact design and user-friendly operation make the RD6006 an excellent choice for any application. The 9 memory locations allow you to quickly and easily switch between different settings.

Through the USB interface and the built-in WiFi module, the device can be operated via software. The device also has various protection and limiting functions such as constant voltage operation, constant current operation, overvoltage protection, overcurrent protection and replaceable fuses on the board.

## MAIN FEATURES

Input voltage	230 V AC
Output voltage	0 - 60 V DC
Output current	0 - 6 A
Output power	0 - 360 W
Special features	Battery charging function Convenient value input via Keypad possible Overcurrent protection / Over voltage protection adjustable Integrated RTC NTC temperature sensor Control via software via USB/ WiFi

## TECHNICAL SPECIFICATIONS

Voltage resolution	0.01 V
Current resolution	0.01 A
Measuring range electr. charge	0 - 9999.99 Ah
Measuring range energy	0 - 9999.99 Wh
Ripple	100 mV VPP
Response time in constant voltage mode	2ms @ 0.1 - 4 A
Load regulation in constant voltage mode	$\pm 0.1\%$ + 2 digits
Load regulation in constant current mode	$\pm 0.1\%$ + 3 digits
Statistical errors in electric charge & energy	$\pm 2\%$
Sensor temperature detection range	- 10 - 100 °C / 0 - 200 °F
Working mode	Step-Down operation



## MEASURING RESOLUTION

Input voltage measurement resolution	0.01 V
Output voltage measurement resolution	0.01 V
Current measurement resolution	0.01 A
Battery voltage measurement resolution	0.01 V

## MEASUREMENT ACCURACY

Input voltage accuracy	$\pm 1 \% + 5$ digits
Output voltage accuracy	$\pm 0.3 \% + 5$ digits
Output current accuracy	$\pm 0.5 \% + 5$ digits
Battery voltage measurement accuracy	$\pm 0,5 \% + 3$ digits
Sensor temperature detection accuracy	$\pm 3^{\circ}\text{C} / \pm 6^{\circ}\text{F}$

## ADDITIONAL INFORMATION

Display	2,4" LCD
Operating temperature	-10 - 40 °C
Items shipped	JT-RD6006-C, power cord, battery charging cable, Instruction manual
Dimensions	340 x 172 x 92 mm
EAN	4250236825335
Customs tariff no.	8504403000
Article no.	JT-RD6006-C