

# PROGRAMMABLE LABORATORY POWER SUPPLY

Laboratory power supply for up to 60 V and 24 A



With our PS1440-C you get a programmable laboratory power supply, which provides you with DC voltages between 0.01 to 60 V and DC currents between 0.01 to 24 A at the voltage output.

With the help of the intuitive control panel up to 9 different DC voltages can be programmed, stored and recalled, even individual settings of various protection and limiting functions ( e.g. overvoltage protection ) are programmable. The corresponding values can be set very conveniently via the keypad and / or the rotary control and are clearly displayed thanks to the high-resolution 2.4" color display.

## MAIN FEATURES

Special functions	Complete device ready for immediate use, Battery charging function, Values can be entered conveniently via keypad, Over current & over voltage protection adjustable, Integrated RTC, NTC temperature sensor Included detailed documentation in English, German & French
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Input voltage	230 V
Output voltage	0 - 60 V
Output current	0 - 24 A
Output power	0 - 1440 W

## TECHNICAL SPECIFICATIONS

Input voltage accuracy	$\pm 1 \% + 5$ digits
Output voltage accuracy	$\pm 0,3 \% + 3$ digits
Output current accuracy	$\pm 0,5 \% + 5$ digits
Battery voltage	$\pm 0,5 \% + 3$ digits
Input voltage measurement resolution	0,01 V
Output voltage measurement resolution	0,01 V
Current measurement resolution	0,01 V
Battery voltage measurement resolution	0,01 V
Response time in constant voltage mode	2 ms @ 0,1 - 5 A
Load regulation in constant voltage mode	$\pm 0,1 \% + 2$ digits

Load regulation in constant current mode	$\pm 0,1\%$ + 3 digits
Measuring range electric charge	0 - 9999,99 Ah
Measuring range energy	0 - 9999,99 Wh
Statistical errors in electric charge & energy	$\pm 2\%$
Output ripple	100 mV VPP @ 12 V, 150 mV VPP @ 24 V
Sensor temperature detection range	-10 - 100 °C / 0 - 200 °F
Sensor temperature detection accuracy	$\pm 3\text{ °C} / \pm 6\text{ °F}$
Working mode	Step-down operation
Screen brightness setting	Level 0 - 5, 6 levels in total
Permissible working temperature	-10 - 40 °C / 0 - 104 °F

#### MORE INFORMATION

Dimensions	167 x 81 x 65 mm
Article no.	JT-PS1440-C
Items shipped	JT-PS1440-C, power cord, manual
Customs tariff no.	8504403000
EAN	425023682626