

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