



# PowerToStore

Data sheet

## TECHNICAL DATA DEVICE

Nominal input voltage	115 V ... 230 V AC ( $\pm 15\%$ )
Input voltage range for charging operation	97.8 V ... 264.5 V AC
Nominal frequency	47 Hz ... 63 Hz
Max. nominal input current	0.84 A @ 115 V AC 0.42 A @ 230 V AC
Max. inrush current	30 A / 2 ms
Nominal output current max.	3 A DC ( 0.94 kJ)
Nominal output current at max. energy	2 A DC ( 1.0 kJ)
Current limitation	1.05 ... 1.5 x $I_{Nenn}$
Nominal output voltage (in mains operation)	24,3 V DC $\pm 2\%$
Output voltage (in back-up operation)	23,5 V DC $\pm 2\%$
Max power loss ,worst-case'	12 W
efficiency	88% @ ( $U_e=230$ V AC; $U_a=24,3$ V DC; $I_a=I_{Nenn}$ )
Internal device protection	2.5 A (T), 250 V
Fuse DC-output circuit (external)	3.15 A (T)
Parallel operation	yes
Serial operation	yes
Type of connection: input $U_e$	screw terminal max. 2.5 mm <sup>2</sup> , AWG 14, 0.5-0.6 Nm (4.43-5.31 lbf in)
Type of connection: output $U_a$	screw terminal max. 2.5 mm <sup>2</sup> , AWG 14, 0.5-0.6 Nm (4.43-5.31 lbf in)
Type of connection: message contact	screw terminal max. 2.5 mm <sup>2</sup> , AWG 14, 0.5-0.6 Nm (4.43-5.31 lbf in)
Max. load message contact ( $U_e$ -OK <sup>1</sup> )	30 V/ 0,5 A potentialfree relay contact
Max. load message contact ( $U_c > ^1$ )	30 V/ 0.5 A potentialfree relay contact
Protective system	IP20 u. EN 60529
Environmental temperature	-20 °C ... 60 °C (-4°F ... 140°F)
Storage temperature	-20 °C ... 60 °C (-4°F ... 140°F)
Rel. humidity	$\leq 95\%$ condensation not permissible
Max. mounting height (without load reduction)	1000 m (0.62 mi) above sea level
Dimensions (H x W x D)	152.5 x 72 x 130 mm, (5.98 x 2.83 x 5.12 in )
weight	0.85 Kg (1.87 lb)

<sup>1</sup> The message contacts are coupled with the LED display (see 4.1). The illumination of a LED effects the activation of the corresponding relay.

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