

PowerToStore

Buffer power supply with capacitors

- Typically serves to bridge short term interruptions
- Operates with integrated ultra-capacitors for energy storage
- With a supply voltage interruption, the stored energy of the ultra-capacitors is released on a regulated basis
- A buffer module feeds the load up to full discharge
- The buffer time is dependent on the charge status of the capacitor and the height of the discharge current
- Can be used only with 24-V UMG devices

Main features

- Lifelong maintenance-free
- Compact housing
- Deep-discharge proof consequently unlimited storage time
- Operation possible under extreme temperature conditions
- No gas generation, therefore installation in hermetically-sealed housings possible
- Rapid availability because short charging time after discharging



Technical data

PowerToStore (PTS)	
Item number	15.06.405
Input	
Nominal input voltage	115 – 230 V AC
Stored energy in Ws	1,000
Output	
Output voltage in buffer operation	24 V DC constant
Nominal output current	3 A
Current limiting	1.05 ... 1.2 x INom
Degree of efficiency $U_a = 23.5 \text{ V DC}$, $I_a = I_{\text{Nom}}$	> 90 %
General data	
Connection type input U_E	2.5 mm ² cable cross section
Connection type output U_A	2.5 mm ² cable cross section
Connection type I/Os	1 mm ² cable cross section
Protection class	IP20
Type	PTS2403
Storage temperature	-40 ... +60 °C
Ambient temperature	-40 ... +60 °C
Weight	1.2 kg
Dimensions in mm (H x W x D)	153 x 72 x 130

Note:

The power quality analysers UMG 604 / UMG 605 / UMG 96RM are supplied during short term interruptions of up to 225 sec. by the buffer device (item no. 15.06.405). With the power quality analysers UMG 508 / UMG 509 / UMG 511 / UMG 512, the expansion unit (item no. 15.06.406) is additionally required. With this configuration short term interruptions lasting up to 256 sec can be bridged.