

POWERTOSTORE

Buffer power supply with capacitors

- Typically used to bridge momentary interruptions
 - Works as an energy storage device using integrated ultracapacitors
 - When the supply voltage is interrupted, energy from the ultracapacitors is released in a controlled manner
 - A buffer module feeds the load until complete discharge
 - The buffer time depends on the charge state of the capacitor and the discharge current
 - Can only be networked with 24 V devices
 - Maintenance free for life
 - Compactly built into a housing
 - Deep-discharge resistant, thus unlimited shelf life
- Operation at extreme temperatures possible
 - No gassing, therefore installation in hermetically sealed enclosures feasible
 - Fast availability due to short recharge time after discharge



PowerToStore – TECHNICAL DATA

| PowerToStore | |
|---|---------------------|
| PART NUMBER | 1506405 |
| INPUT | |
| Nominal input voltage | 115 – 230 V AC |
| Stored energy in Ws | 1500 |
| OUTPUT | |
| Voltage output in buffer mode | 24 VDC, constant |
| Nominal output current | 3 A |
| Current limiting | 1.05 ... 1.2 x Inom |
| Efficiency $U_a = 23.5$ V DC, $I_a = I_{nom}$ | > 90% |
| GENERAL | |
| Connection type, input U_E and output U_A | 2.5 mm ² |
| Connection type, messages I/O | 1 mm ² |
| Protection level | IP20 |
| Type | PTS2403 |
| Storage temperature and ambient temperature | -40 ... +60 °C |
| Weight | 1.2 kg |
| Dimensions in mm (W x H x D) | 72 x 153 x 130 |

Note: The UMG 604-PRO / UMG 605-PRO / UMG 96RM power quality analyzers are supplied by the buffer unit (part no. 1506405) in the event of a momentary interruption of up to 225 sec. For the UMG 509-PRO / UMG 512-PRO power quality analyzers, the expansion unit (part no. 1506406) is also required. A momentary interruption duration of up to 256 sec. can be accommodated here.