**DC UPS system with ultra capacitors 24 V DC - 3A**

The DC UPS has a power supply unit inside the housing for the 24 V DC supply and ultra capacitors as energy storage. In normal operation, the capacitors are charged by an internal charger, which is supplied by the internal AC/DC power supply unit. If the AC supply is interrupted, the energy of the ultracapacitors is released in a regulated manner (24 V DC ±2%).

The load is supplied by the buffer module until the ultracapacitors are discharged. The buffer time depends on the state of charge of the capacitors and the discharge current.

- Maintenance-free due to long-life ultracapacitors

- Low wiring effort due to integration of power supply unit and energy storage device

- Microcontroller-supported charging and discharging of the ultracapacitors

- Operating and charging status monitoring via potential-free contacts and LEDs

- Wide temperature range -40 °C to 60 °C

Energy content 1kJ

Nominal input voltage: 15 to 230 V AC (± 15%)

Min. nominal input voltage for charging: 97.8 to 264.5 V AC

Max. Nominal input current: 0.84 A at 115 V AC 0.42 A at 230 V AC

Output voltage in buffer mode: 23.5 V DC ±2 %.

Max. Rated output current: 2 A DC (with rated capacity)

Current limitation: 05 to 1.5 x INenn

Energy content: 1 kJ or 1000Ws

Max. power dissipation 'worst-case': 12 W

Efficiency: >88% @ (Ue=230 V AC; Ua=24.3 V DC; Ia=INenn)

Internal device protection (internal): 2 A (T)

Fuse DC output circuit (external): 15 A (T)

Protection class: IP20 and EN 60529

Operating temperature: -20°C to 60 °C

Rel. humidity: 95% non-condensing

Max. Max. installation altitude: (without power reduction) 1000 m a.s.l.

Dimensions (HxWxD): 152.5 x 72 x 130 in mm

Weight: 0,9 Kg

Manufacturer: Janitza electronics GmbH

Type: Power2Store

Item no.: 1506405