

Capacitor buffered Power Supply

Type:

AC-C-TEC 1203-1

Art.-No.:

NCPA0724G10002

Short description

The DC-UPS of the **AC C-TEC** 1203 series is equipped with a integrated power supply and ultracapacitors for accumulating energy. During normal operation this capacitor is charged by an internal charger which is supplied by the internal, regulated DC power supply. If the AC supply is interrupted, energy of the ultracapacitors is released in a regulated process (12 V DC $\pm 2\%$). The load is supplied by the buffermodul until the capacitors are discharged. The buffering time depends on the state of charge of the capacitor and discharging current.

The DC-UPS shows the following features:

- Maintenance-free due to durable ultra capacitors
- reduces wiring time due to intergrated energy storage and power supply
- Microcontroller based charging and discharging of the ultracapacitors
- Input voltage-signal via potential-free contact and LED
- Short overload possible
- Vibration secured wiring via spring loaded plugs
- Wide working temperature range -40°C till 60°C

Request form



Technical Data

Nominal input voltage	115 ... 230 V AC
Min. nominal input voltage for charging mode	
Nominal frequency	47 ... 63 Hz
Max. nominal input current	0,84 A ... 115 V AC 0,42 A ... 230 V AC
Max. charging current	
Nominal output voltage (mains operation)	12,3 V DC +2 % -4 %
Nominal output voltage (buffer operation)	11,5 V DC +2 % -4 %
Max. nominal output current	2 A DC (with nominal capacity) 3 A DC (with reduced capacity)
Efficiency	88 %
Parallel connection	
Series connection	

Energy content	1 kJ
Buffer time	
Degree of protection	IP20
Operating temperature	-20 ... 60 °C
Storage temperature	-20 ... 60 °C
Relative humidity	95 % non-condensing
Max. altitude (without derating)	2000 m above sealevel
Dimensions (H x W x D)	152,5 mm x 72 mm x 130mm
Weight	0,85 kg
Norms and Regulations	EN 50178 EN 60950
UL approvals	No