



BACKUP LINE

WIPOS UPS 20-960 + UPS 24-30.

Maximum protection is a must, especially with highly-complex and cost-sensitive automation processes. Our wipos UPS 20-960 and wipos UPS 24-30 backup components reliably protect critical loads from mains problems, mains failures, voltage peaks, voltage interruptions and fluctuations.



- + Connection to DC Bus 12 V...55 V
- + Compatible with all battery technologies
- + Can also be used with supercaps
- + For any battery/supercap voltage 12 V-58 VDC
- + Monitoring the battery charge
- + Connection to other systems with Modbus/USB port
- + Programmable DC/DC conversion



- + Best price/performance ratio
- + Up to 30 A, with one device
- + Integrated battery test
- + Detailed diagnosis
- + Integrated replaceable fuse



PERFORMANCE FEATURES

- + Input voltage
- + Input current
- + Output voltage
- + Output current
- + Battery voltage
- + Battery powered
- + Temperature range

WIPOS UPS 20-960

- 12 - 48 V DC
- max. 20 A
- 24 V DC
- max. 20 A
- 12 - 48 V
- max. 20 A
- 40 °C...+80 °C

WIPOS UPS 24-30

- + 24 V DC
- + max. 35 A
- + 24 V DC
- + max. 30 A
- + 18.7 - 28.0 V
- + max. 30 A
- + -40 °C...+80 °C





BACKUP LINE WIPOS UPS 20-960.



REMOTE MONITORING AND CONTROL

- Firmware updates



RS-485



USB



POWER SUPPLY

- Input voltage range: 12 V...58 V DC
- Input current: to 20 A


BATTERY CHARGE MONITORING

- Resistance, temperature
- Charge and discharge cycles


DISPLAY + 4 OPERATING BUTTONS

- On-site diagnosis/device status
- Function control


DESIGNED FOR BATTERY-INDEPENDENT DC LOADS

- Voltage range: 12 V...48 V DC
- Current strength: to 20 A



LEAD-ACID LI-ION NI-MH SUPERCAPS

**BIDIRECTIONAL DC/DC CHARGER
FOR EVERY BATTERY TYPE + SUPERCAPS**

- Voltage range: 12 V...58 V DC
- Charge current: to 20 A



Description	wipos UPS 20-960
Art. No.	81.000.6230.0

Output	
Output voltage DC	12 - 48 V
Output current	20 A
Output voltage battery operation min.	12 V
Output voltage battery operation max.	48 V
Output current battery operation	20 A
Short-circuit current	21 A (DC-UPS mode)

Input	
Input voltage DC min.	10 V
Input voltage DC max.	60 V
Input current	20 A
Supply voltage battery operation min.	10 V
Supply voltage battery operation max.	60 V

Technical features	
Derating	
Battery type	Lead or lead/gel battery, nickel, lithium battery, supercaps
Battery charge efficiency, power dissipation	> 96 %, < 20 W
Battery capacity	to 400 Ah
Max. backup time	User programmable, up to the battery's deep discharge threshold
Battery protection functions	Excess current, deep discharge, polarity reversal
Monitoring functions	Coulomb counter, battery temperature over 10 kΩ NTC sensor (optional WNTC-2MT), battery runtime since installation, number of cycles
MTBF	6000.000 h
Communication interface connection	Mini-USB B-type (virtual Com port), RS-485 via the auxiliary connection
Temperature sensor connection	Friction lock connection
Housing material	Aluminum

Dimensions	
Depth	110 mm
Width	54 mm
Height	115 mm
Weight	500 g

TECHNICAL DATA	
Terminal type	Screw & push-in connection
Rail mounting possible	Yes
Operating temperature min.-max.	-40 °C...+70 °C
Relative humidity min.-max.	5 - 95 %
Storage temperature / transport min.-max.	-40 °C...+85 °C
Protection class	IP20
Certificates / Approvals	CE, cULus



Description	wipos UPS 24-30
Art. No.	81.000.6220.0

Output	
Output voltage DC	24 V
Output voltage min.	22 V
Output voltage max.	27.5 V
Output current	30 A
Output voltage battery operation min.	18.7 V
Output voltage battery operation max.	28 V
Output current battery operation	30 A
Battery output fuse	40 A fuse, internal

Input	
Input voltage DC min.	22.5 V
Input voltage DC max.	28 V
Input current max.	35 A
Supply voltage battery operation min.	19.2 V
Supply voltage battery operation max.	28.5 V

Technical features	
Battery type	Lead or lead/gel battery
Nominal charge voltage min.-max.	26 - 27.2 V
Fast charge voltage min.-max.	26.5 - 28.5 V
Discharge current	30 A
MTBF	360,000 h
Housing material	Polycarbonate

Dimensions	
Depth	115mm
Width	54 mm
Height	90 mm
Weight	370 g

TECHNICAL DATA	
Terminal type	Screw connection
Rail mounting possible	Yes
Operating temperature min.-max.	-40 °C...+71 °C
Relative humidity min.-max.	20 - 95 %
Storage temperature / transport min.-max.	-40 °C...+85 °C
Protection class	IP20
Certificates / Approvals	CE, cULus