



DC UPS WITH ULTRACAP STORAGE - 1.5 / 2.5 kWs

Combined with switching power supply or transformer power supply

- Maintenance-free and durable ULTRACAP storage technology
- Very compact type
- Fully microprocessor controlled for flexible configuration to customer-specific requirements
- Low-cost storage design can be adapted to special customer requirements
- Works in buffer- and boost mode
- Dynamic, load-dependent charging current control for fast charging
- Manually adjustable buffer switching threshold
- Can also be used with power supplies with lower power ratings and unregulated transformer power supplies



DC UPS WITH ULTRACAP STORAGE – 1.2 / 2.5 kWs

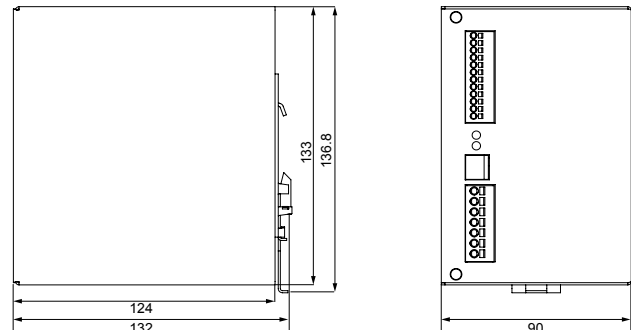
Combined with switching power supply or transformer power supply

- 19.2 – 31.2 VDC input
- Safety according to DIN EN 60950-1
- Output voltage range 14.0 – 29.0 VDC
- Adjustable switching threshold for buffer mode (freely selectable output voltage range)
- Energy storage: Maintenance-free ultracapacitors
- Integrated diode decoupling
- Integrated power indicator and status display
- RFI suppression according to DIN EN 61000-6-3
- Interference resistance according to DIN EN 61000-6-2
- Continuous short-circuit and open-circuit protection
- Spring-clamp terminals
- Vertically mounted on DIN rail
- Weight approx. 700 g
- t_a 60°C
- Protective system IP 20
- Protection class III



Technical data	
Input	
Nominal voltage	24 VDC
Input voltage range	19.2 – 31.2 VDC
Nominal input current	5 A
Switching threshold for UPS mode adjustable via DIP switch	14.0 – 29.0 VDC $\pm 2\%$
Diode decoupling	Yes
Output	
Output voltage for buffer mode	14.0 – 29.0 VDC according to the set switching threshold (DIP switch + 1 V steps)
Output current	0 – 5 A nominal rating 10 A max. in boost mode
Buffer time min.	7.5 / 15 s at 120 W
Energy storage	Maintenance-free ultracapacitors 1.5 / 2.5 kWs _{Nominal}
Signalling	
Relay BUFFER MODE	Potential-free changeover contact, Active during mains operation
Relay BAT. READY	Potential-free NO contact Active if the battery is fully charged and no error is active
Relay FAULT	Potential-free changeover contact Active in buffer mode as a pre- warning threshold before load shedding Active in mains operation in the event of an error
LED STAT. 1	
Green light	Mains operation
Red light	Buffer or boost mode
Flashing red light	Prewarning threshold
LED STAT. 2	
Flashing green light	Battery charging
Green light	Battery fully charged
Red light	Error

Dimensions [mm]	
W x H x D	90 x 124 x 133



Order data	
Part no.	Order text
149300-51009	C-UPS 24 V / 5 A / 1.5 kWs
149300-51004	C-UPS 24 V / 5 A / 2.5 kWs