



DC UPS WITH ULTRACAP STORAGE - 200 - 500 Ws

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



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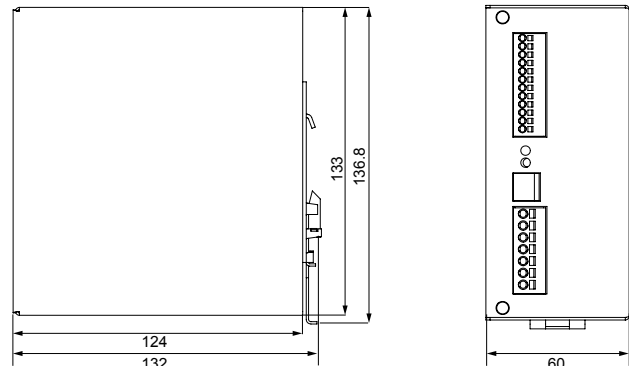
Combined with switching power supply or transformer power supply

- 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. 500 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.	1.2 / 1.8 / 2.3 / 3.0 s at 120 W
Energy storage	Maintenance-free ultracapacitors 200 – 500 Ws _{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 Red light Flashing red light	Mains operation Buffer or boost mode Prewarning threshold
LED STAT. 2 Flashing green light Green light Red light	Battery charging Battery fully charged Error

Dimensions [mm]	
W x H x D	60 x 124 x 133



Order data	
Part no.	Order text
149300-51005	C UPS 24 V / 5 A / 200 Ws
149300-51006	C UPS 24 V / 5 A / 300 Ws
149300-51007	C UPS 24 V / 5 A / 400 Ws
149300-51008	C UPS 24 V / 5 A / 500 Ws