

DC UPS DIN rail



12VDC–48VDC

For installation in electrical control cabinets, on DIN rails or anywhere that protected 24V (or 12V and 48V) is required; for instance for entry-control systems, manufacturing and process control systems.

The EFFEKTA[®] battery with 7/12/24Ah is connected to the UPS via double-shielded, short circuit-proof cables and supplies fully uninterrupted load up to the end of cell voltage in case of a mains failure. The battery is optionally available in a DIN optional rail cabinet.

- Compact construction
- Redundant parallel switching possible from 300W
- Alarm outputs for mains fail, battery low and remote off
- Output voltage internally adjustable for low-maintenance and maintenance-free battery types
- Temperature-regulated charging voltage



Specifications

Specification	DC UPS on DIN rail									
	DT0/012		DT0/024				DT0/048			
Input voltage	90...264VAC, 47...63Hz									
Output voltage (nominal)	12V		24V				48V			
Output voltage (physical)	13.6V		27.2V				54.4V			
L.V.D. threshold	10.5V		21V				42V			
Output current nominal	12A	21A	5.5A	7A	11A	18A	3A	4A	6A	9A
Power (w/o battery)	140W	240W	140W	190W	290W	470W	140W	190W	290W	470W
Recommended batt. capacity	5...18Ah									
Dimensions (W x H x D in mm)	210x105x85		210x105x85		250x133x85	250x133x120	210x105x85		250x133x85	250x133x120
Weight (w/o battery)	1.5kg	1.6kg	1.5kg	1.7kg	2.3kg	2.8kg	1.5kg	1.7kg	2.3kg	2.8kg
Operating temperature	0...40°C, battery up to +30 °C									
Signals	Dry contacts: Mains fault, dc low voltage									
Displays	LED green "Operation", red LED "Mains fault", red LED "Battery weak"									
Service	Push-buttons - "Output on/off", "Automatic restart on/off"									
Safety	EN60950, EN50091-1-2									
EMI	EN50091-2									



BT 12-5 (5Ah)



BT 12-12 (12Ah)



BT 12-7.2 (7.2Ah)



BT 12-18 (18Ah)

Batteries	Dimensions / weight (H x W x L in mm)	L.V.D. voltage	Back-up time in minutes at load (current)									
			2A	4A	6A	8A	10A	12A	14A	16A	18A	20A
5Ah	107 x 70 x 90 / 2.1kg	10.5V	105	50	25	15	7					
	2x (107 x 70 x 90) / 4.2kg	21V										
	4x (107 x 70 x 90) / 8.4kg	42V										
7.2Ah	101 x 65 x 151 / 2.7kg	10.5V	150	65	38	25	20	13	7			
	2x (101 x 65 x 151) / 5.4kg	21V										
	4x (101 x 65 x 151) / 10.8kg	42V										
12Ah	101 x 98 x 151 / 4.2kg	10.5V	295	140	84	54	39	31	25	20	18	
	2x (101 x 98 x 151) / 8.4kg	21V										
	4x (101 x 98 x 151) / 16.8kg	42V										
18Ah	167 x 88 x 181 / 5.7kg	10.5V	470	200	121	93	66	48	40	34	29	26
	2x (167 x 88 x 181) / 11.5kg	21V										
	4x (167 x 88 x 181) / 23kg	42V										