

24 V DC 40A UPS FOR EXTERNAL BATTERY 12-200 AH

UB40.241

DC UPS 24V dc, I/P 24V dc, 40A O/P 12-200Ah

- Compact Din Rail Mount
- up to back-up 4hr 55min @ 40A load with 200Ah battery
- 50A Load below 50°c
- For 12 - 200 Ah Batteries
- Full battery monitoring



PRODUCT DESCRIPTION

TECHNICAL DATA

INPUT DATA

Input voltage from the unit	24 V DC
Input voltage from the battery	24 V DC
Input voltage for battery connection	22,2 V DC
Input current during charging	7 A

OUTPUT DATA

Output current at 24 V dc	40 A
Output voltage for battery operation	22,2
Output voltage normal operation	24 V DC
Output current for battery operation max	40 A (50 A @ 5 s)
Output current during operation max	50 A

EFFICIENCY / LIFETIME / MTBF

Efficiency	99,3 %
Life span	322 000 h @ 40 A, 40 °C
MTBF (IEC 61709)	N/A

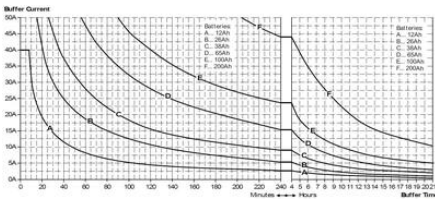
DIMENSIONS

Width	46 mm
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Height	124 mm
Depth	127 mm
Weight	0,53 kg

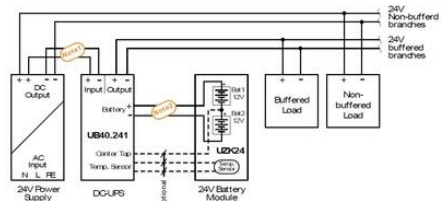
OTHER

Approvals	CE
IP class	IP20
Charging the battery type	3 A
Material protection	Aluminium
Voltage level for battery connection	24 V DC
Power drop from +60 °C to + 70 °C	24 W/°C
Temperature min without derating	-25 °C
Temperature max without derating	60 °C
Permitted battery sizes	12-200 Ah
Type Power Supply	DC-UPS

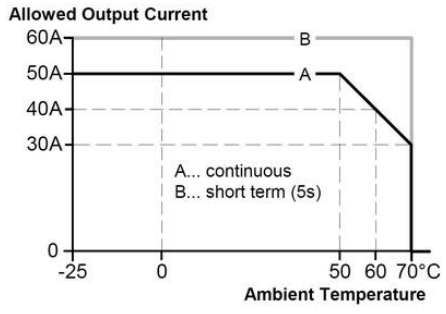
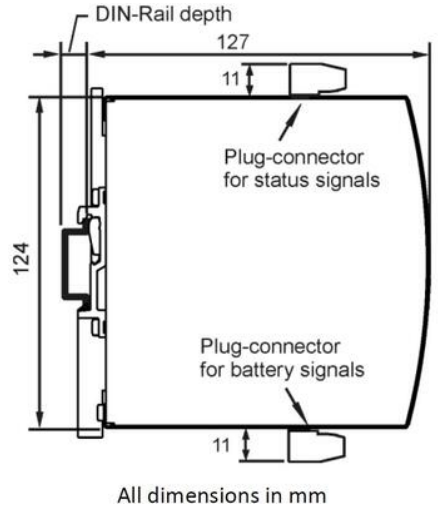


Battery size	12Ah (UDQ24-122)	26Ah (UDQ24-262)	38Ah
Buffer time	13 days	30 days	43 days
Typ.	1d: 4m: 27s	2d: 1h: 14m: 27s	3d: 1h: 1m: 7s
Typ.	11h: 20m: 33s	1d: 1h: 27m: 47s	1d: 11h: 18m: 3s
Typ.	5h: 29m: 52s	32h: 9m: 10s	19h: 5m: 50s
Typ.	2h: 4m: 35s	4h: 44m: 43s	7h: 24m: 27s
Typ.	47m: 35s	2h: 17m: 27s	3h: 28m: 20s
Typ.	27m: 29s	1h: 23m: 7s	2h: 8m: 8s
Typ.	18m: 17s	55m: 46s	1h: 31m: 33s
Typ.	13m: 40s	40m: 52s	1h: 8m: 22s
Typ.	10m: 47s	31m: 34s	53m: 58s
Typ.	8m: 49s	25m: 17s	44m: 9s
Typ.	7m: 25s	21m: 1s	36m: 21s
Typ.	-	15m: 12s	26m: 53s

Battery size	65Ah	100Ah	200Ah
Buffer time	77 days	115 days	240 days
Typ.	6d: 1h: 50m: 0s	9d: 1h: 54m: 27s	19d: 16h: 13m: 20s
Typ.	2d: 23h: 45m: 13s	4d: 12h: 13m: 3s	9d: 18h: 12m: 30s
Typ.	1d: 5h: 13m: 35s	2d: 1h: 14m: 27s	4d: 20h: 19m: 10s
Typ.	13h: 53m: 20s	20h: 50m: 0s	1d: 21h: 50m: 0s
Typ.	6h: 49m: 43s	10h: 7m: 38s	22h: 27m: 13s
Typ.	4h: 22m: 53s	6h: 33m: 31s	14h: 44m: 16s
Typ.	3h: 4m: 30s	4h: 48m: 12s	10h: 52m: 47s
Typ.	2h: 17m: 58s	3h: 40m: 26s	8h: 33m: 53s
Typ.	1h: 48m: 47s	2h: 53m: 49s	7h: 1m: 18s
Typ.	1h: 28m: 59s	2h: 22m: 11s	5h: 55m: 22s
Typ.	1h: 14m: 45s	1h: 59m: 28s	4h: 55m: 15s
Typ.	55m: 53s	1h: 29m: 18s	3h: 24m: 3s



Warning: Do not use wires smaller than 6mm² (AWG 10) and not longer than 2x1m between the power supply and the DC-UPS controller.
Warning: Do not use wires smaller than 6mm² (AWG 10) and not longer than 2x1.5m between the battery and the DC-UPS controller.



All dimensions in mm

