

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

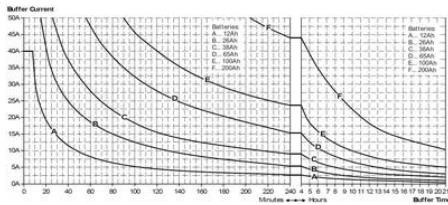
Width	46 mm
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Height	124 mm
Depth	127 mm
Weight	0.53 kg

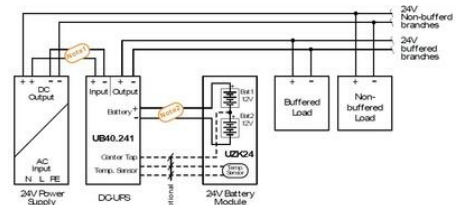
OTHER

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
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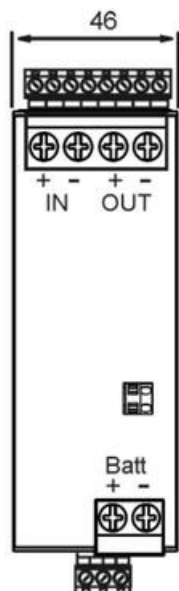


Battery size	12Ah (UBQ24.122)	20Ah (UBQ24.202)	30Ah	50Ah	100Ah	200Ah
Buffer time	Typ. 11:40y	Typ. 30:4y	Typ. 43:days	Typ. 67:days	Typ. 115:4y	Typ. 240:days
Typ. 1d: 6h: 4m: 27s	Typ. 2d: 5h: 14m: 27s	Typ. 3d: 9h: 1m: 7s	Typ. 4d: 10h: 13m: 3s	Typ. 6d: 1h: 50m: 0s	Typ. 77:days	Typ. 11d: 16h: 13m: 20s
Typ. 11h: 20m: 33s	Typ. 1d: 1h: 22m: 47s	Typ. 1d: 11h: 18m: 3s	Typ. 2d: 23h: 45m: 33s	Typ. 4d: 12h: 13m: 3s	Typ. 6d: 1h: 54m: 27s	Typ. 9d: 18h: 23m: 30s
Typ. 5h: 29m: 52s	Typ. 12h: 9m: 10s	Typ. 19h: 5m: 50s	Typ. 16: 9h: 13m: 35s	Typ. 2d: 5h: 14m: 27s	Typ. 4d: 20h: 19m: 10s	Typ. 6d: 20h: 19m: 10s
Typ. 2h: 0m: 35s	Typ. 4h: 44m: 43s	Typ. 7h: 24m: 27s	Typ. 13h: 53m: 20s	Typ. 20h: 50m: 0s	Typ. 1d: 21h: 56m: 0s	Typ. 1d: 21h: 56m: 0s
Typ. 47m: 35s	Typ. 2h: 17m: 27s	Typ. 3h: 28m: 20s	Typ. 4h: 23m: 53s	Typ. 6h: 33m: 31s	Typ. 10h: 7m: 38s	Typ. 22h: 27m: 13s
Typ. 27m: 29s	Typ. 1h: 21m: 7s	Typ. 2h: 8m: 8s	Typ. 4h: 23m: 53s	Typ. 6h: 33m: 31s	Typ. 10h: 7m: 38s	Typ. 14h: 44m: 16s
Typ. 18m: 17s	Typ. 55m: 46s	Typ. 1h: 31m: 33s	Typ. 3h: 30m: 30s	Typ. 4h: 48m: 12s	Typ. 10h: 52m: 47s	Typ. 10h: 52m: 47s
Typ. 13m: 40s	Typ. 40m: 52s	Typ. 1h: 8m: 27s	Typ. 2h: 17m: 58s	Typ. 3h: 40m: 26s	Typ. 8h: 33m: 53s	Typ. 8h: 33m: 53s
Typ. 10m: 47s	Typ. 31m: 34s	Typ. 53m: 58s	Typ. 1h: 48m: 47s	Typ. 2h: 53m: 49s	Typ. 7h: 1m: 18s	Typ. 7h: 1m: 18s
Typ. 8m: 49s	Typ. 25m: 17s	Typ. 44m: 9s	Typ. 1h: 28m: 59s	Typ. 2h: 22m: 11s	Typ. 5h: 51m: 22s	Typ. 5h: 51m: 22s
Typ. 7m: 25s	Typ. 21m: 1s	Typ. 36m: 21s	Typ. 1h: 14m: 45s	Typ. 1h: 59m: 28s	Typ. 4h: 55m: 15s	Typ. 4h: 55m: 15s
Typ. -	Typ. 15m: 32s	Typ. 26m: 53s	Typ. 55m: 53s	Typ. 1h: 29m: 18s	Typ. 3h: 24m: 3s	Typ. 3h: 24m: 3s

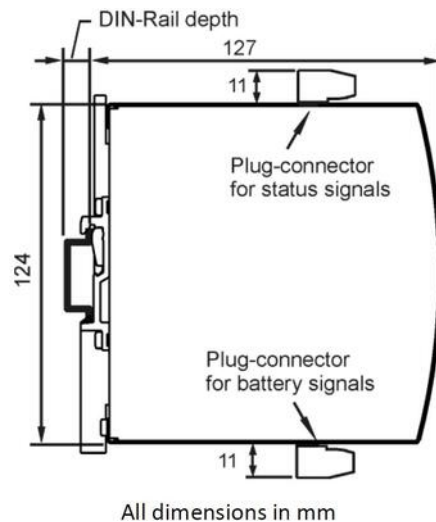


Note 1 Do not use wires smaller than 6mm² (AWG 10) and not longer than 2x1m between the power supply and the DC/UPS controller.

Note 2 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



All dimensions in mm

