OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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

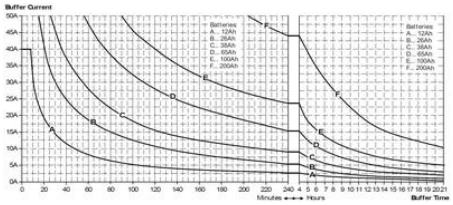
Width	46 mm

Height	124 mm
Depth	127 mm
Weight	0.53 kg

OTHER

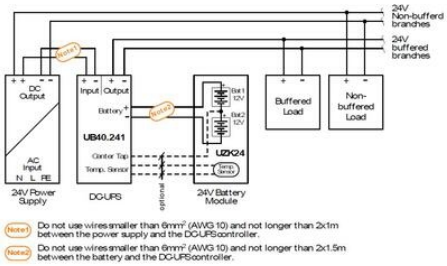
Approvals	CE
IP class	IP20
Charging the battery type	3 A
Material protection	Aluminium
Voltage level for battery connection	24 V DC
Power drop from +60 °C to + 70 °C	24 W/°C
Temperature min without derating	-25 °C
Temperature max without derating	60 °C
Permitted battery sizes	12-200 Ah

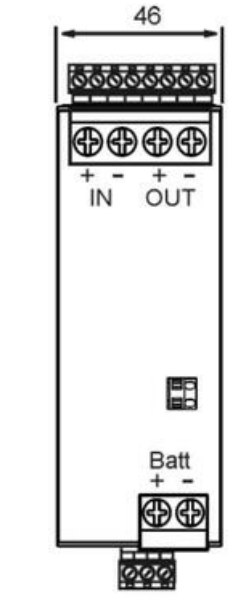
Type Power Supply	DC-UPS



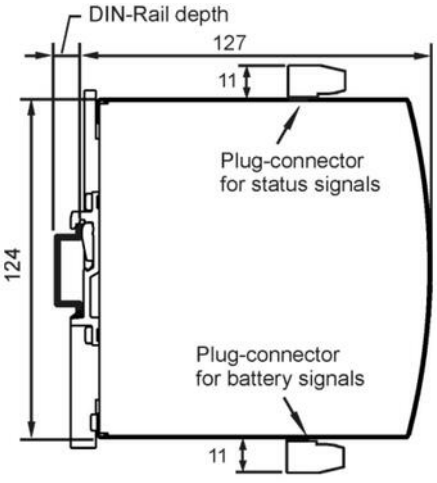
Battery size		12Ah (UDK24.122)	26Ah (UDK24.262)	38Ah	
Buffer time	Typ.	13 days	30 days	43 days	At 0A load
	Typ.	1d : 0h : 4m : 27s	2d : 5h : 14m : 27s	3d : 9h : 1m : 7s	At 0.5A load
	Typ.	11h : 20m : 33s	1d : 1h : 27m : 47s	1d : 11h : 18m : 3s	At 1A load
	Typ.	5h : 29m : 52s	12h : 9m : 10s	19h : 5m : 50s	At 2A load
	Typ.	2h : 0m : 35s	4h : 44m : 43s	7h : 24m : 27s	At 5A load
	Typ.	47m : 35s	2h : 17m : 27s	3h : 28m : 20s	At 10A load
	Typ.	27m : 29s	1h : 21m : 7s	2h : 8m : 8s	At 15A load
	Typ.	18m : 17s	55m : 46s	1h : 31m : 33s	At 20A load
	Typ.	13m : 40s	40m : 52s	1h : 8m : 27s	At 25A load
	Typ.	10m : 47s	31m : 34s	53m : 58s	At 30A load
	Typ.	8m : 49s	25m : 17s	44m : 9s	At 35A load
	Typ.	7m : 25s	21m : 1s	36m : 21s	At 40A load
	Typ.	-	15m : 12s	26m : 53s	At 50A load

Battery size		65Ah	100Ah	200Ah	
Buffer time	Typ.	77 days	115 days	240 days	At 0A load
	Typ.	6d : 1h : 50m : 0s	9d : 3h : 54m : 27s	19d : 16h : 13m : 20s	At 0.5A load
	Typ.	2d : 23h : 45m : 33s	4d : 12h : 13m : 3s	9d : 18h : 22m : 30s	At 1A load
	Typ.	1d : 9h : 13m : 35s	2d : 5h : 14m : 27s	4d : 20h : 19m : 10s	At 2A load
	Typ.	13h : 53m : 20s	20h : 50m : 0s	1d : 21h : 50m : 0s	At 5A load
	Typ.	6h : 49m : 43s	10h : 7m : 38s	22h : 27m : 13s	At 10A load
	Typ.	4h : 23m : 53s	6h : 33m : 31s	14h : 44m : 16s	At 15A load
	Typ.	3h : 4m : 30s	4h : 48m : 12s	10h : 52m : 47s	At 20A load
	Typ.	2h : 17m : 58s	3h : 40m : 26s	8h : 33m : 53s	At 25A load
	Typ.	1h : 48m : 47s	2h : 53m : 49s	7h : 1m : 18s	At 30A load
	Typ.	1h : 28m : 59s	2h : 22m : 11s	5h : 51m : 22s	At 35A load
	Typ.	1h : 14m : 45s	1h : 59m : 28s	4h : 55m : 15s	At 40A load
	Typ.	55m : 53s	1h : 29m : 18s	3h : 24m : 3s	At 50A load





All dimensions in mm



All dimensions in mm

