



Main

Range of product	Phaseo
Product or component type	Battery module
Input voltage	24 V DC
Output voltage	24 V DC
Maximum output current	40 A
Battery capacity	7 Ah
Holding time	< 20 hat 0.35 A, 68 °F (20 °C) > 5 minat 18.2 A, 68 °F (20 °C)

Complementary

Input voltage limits	21...29 V
Load current	0.7 A
Charging time	72 h
Output protection type	Against overload and short-circuits, protection technology: 1 x 30 A automotive type fuse
Connections - terminals	Screw type terminals input connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Screw type terminals output connection, connection capacity: 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8
Self-discharge rate	15 %, 6 months 3 %, 1 month 9 %, 3 months
Fixing mode	By 2 screws, screw(s) Ø = 0.2 in (5 mm) on horizontal panel, operating position: horizontal By 4 screws, screw(s) Ø = 0.2 in (5 mm) on vertical panel, operating position: vertical
Output coupling	Parallel
Operating altitude	6561.68 ft (2000 m)
Service life in hours	11000 hat 104 °F (40 °C) 15000 hat 95 °F (35 °C) 22000 hat 86 °F (30 °C) 31000 hat 77 °F (25 °C) 44000 hat 68 °F (20 °C) 5000 hat 122 °F (50 °C) 7300 hat 113 °F (45 °C)
Marking	CE
Product weight	14.33 lb(US) (6.5 kg)

Environment

IP degree of protection	Conforming to EN/IEC 60529
ambient air temperature for operation	32...104 °F (0...40 °C)
ambient air temperature for storage	-4...122 °F (-20...50 °C)
overvoltage category	Class 3 conforming to VDE 0106-1
vibration resistance	3.5 mm (f = 3...11.9 Hz) conforming to EN/IEC 61131-2 2 gn (f = 11.9...150 Hz) conforming to EN/IEC 61131-2
product certifications	GOST UL

Offer Sustainability

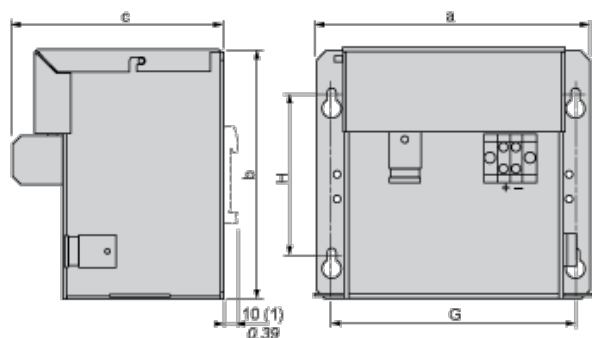
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

Contractual warranty

Warranty period	18 months
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24 Vdc Battery Module

Dimensions

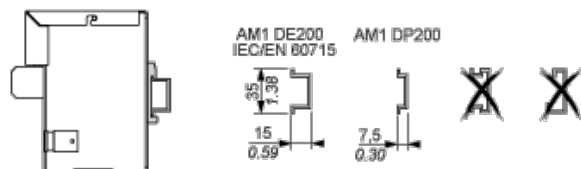
$$\frac{\text{mm}}{\text{inch}}$$


ABL	a	b	c	G	H
8BPK24A03	184/7.24	138.5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155.5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155.5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

24 Vdc Battery Module

Mounting



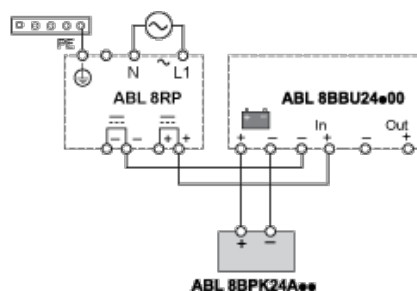
Wiring Requirements

Cable Types and Wire Sizes

 $\varnothing \leq 4 \text{ mm}$ $\varnothing \leq 12 \text{ AWG}$ $\varnothing \geq 4 \text{ mm}^2$ $\varnothing \geq 12 \text{ AWG}$ $\varnothing \geq 4 \text{ mm}^2$ $\varnothing \geq 12 \text{ AWG}$	ABL 8BBU24200 6/10	ABL 8BBU24400 10/15
ABL 8BPk24A ●● +/- mm²/AWG		
 $\varnothing 5,5 \text{ mm}/0,22 \text{ in}$ $\varnothing 5,5 \text{ mm}/0,22 \text{ in}$	ABL 8BBU24200 6/10	ABL 8BBU24400 10/15

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8PK24A0•

Wiring Diagram

