

Product datasheet

Specifications



battery control module, phaseo ABL7 ABL8, 24V DC, 75A, 12AH

ABL8BPK24A12

⚠ To be discontinued on: Dec 31, 2025 AD

⚠ To be end-of-service on: Dec 31, 2026 AD

⚠ To be discontinued

Main

Range of product	Phaseo
Product or component type	Battery module
Input voltage	24 V DC
Output voltage	24 V DC
Maximum output current	75 A
Battery capacity	12 Ah
Holding time	< 20 h at 0.6 A, 20 °C > 5 min at 31.3 A, 20 °C

Complementary

Input voltage limits	21...29 V
Charging time	72 h
Load current	1.2 A
Output protection type	Against overload and short-circuits, protection technology: 2 x 30 A automotive type fuses
Connections - terminals	For input connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8 For output connection: screw type terminals, connection capacity: 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8
Self-discharge rate	15 %, 6 months 9 %, 3 months 3 %, 1 month
Fixing mode	By 2 screws diameter: 5 mm on horizontal panel, operating position: horizontal By 4 screws diameter: 5 mm on vertical panel, operating position: vertical
Output coupling	Parallel
Operating altitude	2000 m
Service life in hours	11000 h at 40 °C 15000 h at 35 °C 22000 h at 30 °C 31000 h at 25 °C 44000 h at 20 °C 5000 h at 50 °C 7300 h at 45 °C
Marking	CE
Net weight	12 kg

Environment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product certifications	CTP UL
Ambient air temperature for operation	0...40 °C
Ambient air temperature for storage	-20...50 °C
IP degree of protection	IP10 conforming to IEC 60529
Overvoltage category	Class 3 conforming to VDE 0106-1
Vibration resistance	2 gn (f= 11.9...150 Hz) conforming to IEC 61131-2 3.5 mm (f= 3...11.9 Hz) conforming to IEC 61131-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.500 cm
Package 1 Width	20.000 cm
Package 1 Length	33.000 cm
Package 1 Weight	10.856 kg
Unit Type of Package 2	S06
Number of Units in Package 2	10
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	120.270 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

How this information helps you >

Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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EU RoHS Directive	Not applicable, out of EU RoHS legal scope
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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PVC free	Yes
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Use Again

Repack and remanufacture

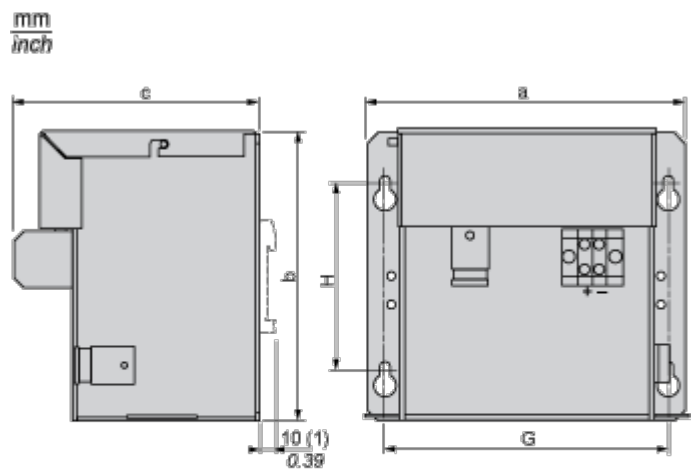
Circularity Profile	End of Life Information
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Take-back	No
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Dimensions Drawings

24 Vdc Battery Module

Dimensions



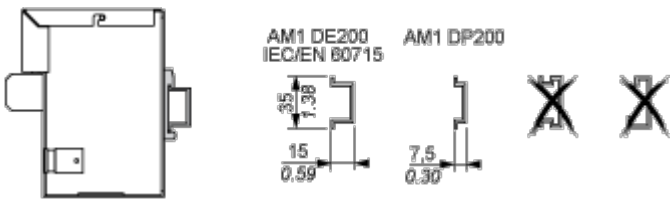
ABL	a	b	c	G	H
8BPK24A03	184/7.24	138,5/5.45	131	156/6.14	83/3.27
8BPK24A07	170/6.69	155,5/6.12	131	152/5.98	100/3.94
8BPK24A12	238/9.29	155,5/6.12	131	218/3.94	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

Mounting and Clearance

24 Vdc Battery Module

Mounting



Connections and Schema

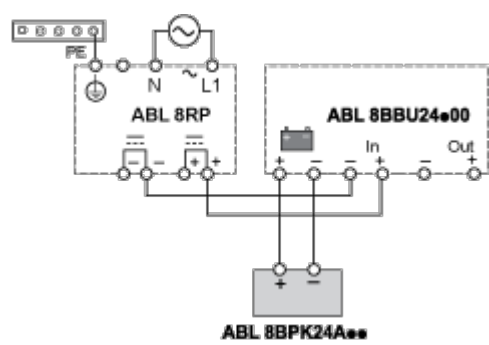
Wiring Requirements

Cable Types and Wire Sizes

 18 Ø ≤ 4 mm² Ø ≤ 12 AWG 18 Ø ≤ 4 mm² Ø ≤ 12 AWG 17 Ø ≤ 4 mm² Ø ≤ 12 AWG	ABL 8BBU24200	ABL 8BBU24400
ABL 8BPK24A** #1 - mm ² /AWG	6 / 10	10 / 16
		Nm 1,7 Nm max lb-in 15

24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8BPK24A12

Wiring Diagram

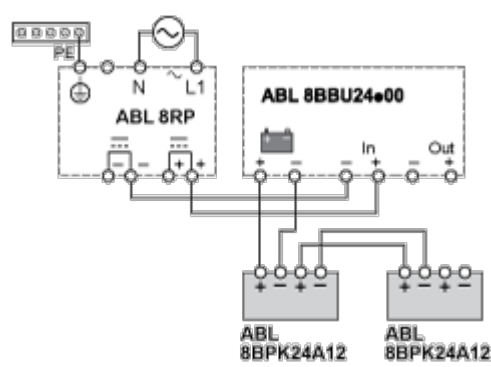


Image of product / Alternate images

Alternative

