

Product data sheet

Characteristics

ABL8BPK24A03

battery- 24 V DC - 32 A - 3.2 AH - for battery control module

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 276.00 USD



Main

Range of Product	Phaseo
Product or Component Type	Battery module
Input voltage	24 V DC
Output voltage	24 V DC
Maximum output current	32 A
Battery Capacity	3.2 Ah
Holding time	< 20 h 0.16 A, 68 °F (20 °C) > 5 min 8.4 A, 68 °F (20 °C)

Complementary

Input voltage limits	21...29 V
Charging time	72 H
Load current	0.3 A
Output protection type	Against overload and short-circuits 1 x 20 A automotive type fuse
Connections - terminals	Input connection screw type terminals 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Output connection screw type terminals 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8
Self-discharge rate	9 %, 3 months 3 %, 1 month 15 %, 6 months
Fixing mode	By 2 screws 0.20 in (5 mm) horizontal panel horizontal By 4 screws 0.20 in (5 mm) vertical panel vertical By clips (with mounting kit) 35 mm symmetrical DIN rail horizontal By clips (with mounting kit) 35 mm symmetrical DIN rail vertical
Output coupling	Parallel
Operating altitude	6561.68 ft (2000 m)
Service life in hours	11000 H 104 °F (40 °C) 15000 H 95 °F (35 °C) 22000 H 86 °F (30 °C) 31000 H 77 °F (25 °C) 44000 H 68 °F (20 °C) 5000 H 122 °F (50 °C) 7300 H 113 °F (45 °C)
Marking	CE
Net Weight	7.72 Lb(US) (3.5 kg)

Environment

Product Certifications	CTP UL
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	-4...122 °F (-20...50 °C)
IP degree of protection	IP10 conforming to EN/IEC 60529
Overvoltage category	Class 3 VDE 0106-1
Vibration resistance	2 gn 11.9...150 Hz)EN/IEC 61131-2 3.5 mm 3...11.9 Hz)EN/IEC 61131-2

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	03389119406840
Nbr. of units in pkg.	1
Package weight(Lbs)	7.90 Lb(US) (3.584 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	6.50 In (16.5 cm)
Package 1 width	7.09 In (18 cm)
Package 1 Length	10.63 In (27 cm)
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Weight	8.52 Lb(US) (3.866 kg)
Package 2 Height	6.89 In (17.5 cm)
Package 2 width	6.50 In (16.5 cm)
Package 2 Length	10.55 In (26.8 cm)
Unit Type of Package 3	S06
Number of Units in Package 3	24
Package 3 Weight	233.21 Lb(US) (105.784 kg)
Package 3 Height	28.94 In (73.5 cm)
Package 3 width	23.62 In (60 cm)
Package 3 Length	31.50 In (80 cm)

Offer Sustainability

California proposition 65	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. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
PVC free	Yes

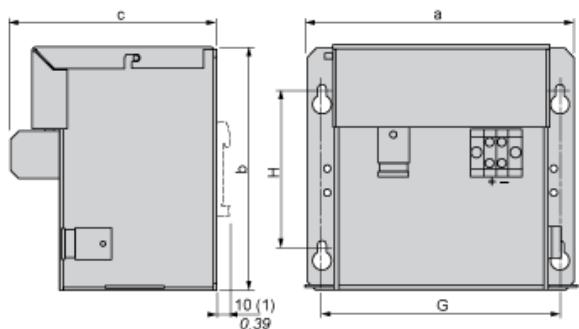
Contractual warranty

Warranty	18 months
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24 Vdc Battery Module

Dimensions

mm
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	236/9.29	155.5/6.12	131	218/8.34	100/3.94

(1) ABL8BPK24A03 (with kit ABL1A02)

24 Vdc Battery Module

Mounting



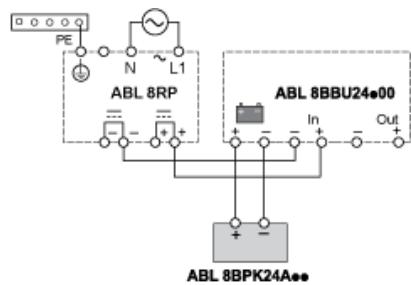
Wiring Requirements

Cable Types and Wire Sizes

mm ²	AWG	10	17	ABL	ABL
≤ 4 mm ²	≤ 12 AWG	0.39	0.67	8BBU24200	8BBU24400
≤ 12 AWG		≤ 4 mm ²	≤ 12 AWG		
				6 / 10	10 / 6
ABL 8BPK24A** #1 – mm ² /AWG					
Torque Ø 5,5 mm/0.22 in Nm 1.7 Nm max lb-in 15					

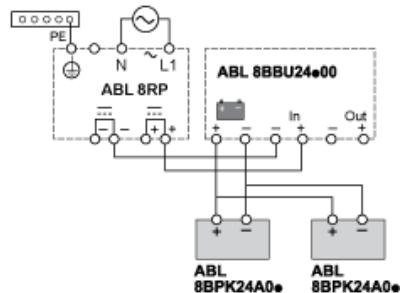
24 Vdc Battery Module Wiring

Wiring Diagram



Paralleling 2 x ABL8PK24A0•

Wiring Diagram



Product Life Status : **Commercialised**