

# Product data sheet

## Characteristics

### ABL8BPK24A07

battery - 24 V DC - 40 A - 7 AH - for battery control module

Product availability: Stock - Normally stocked in distribution facility

Price\*: 292.00 USD



#### Main

|                           |                |
|---------------------------|----------------|
| Range of Product          | Phaseo         |
| Product or Component Type | Battery module |
| Battery Capacity          | 7 Ah           |

#### Complementary

|                      |   |
|----------------------|---|
| Input voltage limits | 21...29 V                                       |
| Charging time        | 72 H  |
| Load current         | 0.7 A   |
| Self-discharge rate  | 9 %, 3 months<br>3 %, 1 month<br>15 %, 6 months |
| Output coupling      | Parallel  |
| Operating altitude   | 6561.68 ft (2000 m)                             |
| Marking              | CE  |
| Net Weight           | 14.33 Lb(US) (6.5 kg)                           |

#### Environment

|                                       |                           |
|---------------------------------------|---------------------------|
| Product Certifications                | CTP<br>UL                 |
| Ambient Air Temperature for Operation | 32...104 °F (0...40 °C)   |
| Ambient Air Temperature for Storage   | -4...122 °F (-20...50 °C) |

#### Ordering and shipping details

|                       |                                     |
|-----------------------|-------------------------------------|
| Category              | 22525 - ABL8 AND ABL7 POWER SUPPLIE |
| Discount Schedule     | CP12                                |
| GTIN                  | 03389118312210                      |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 14.33 Lb(US) (6.5 kg)               |
| Returnability         | Yes                                 |
| Country of origin     | FR                                  |

## Packing Units

|                        |                      |
|------------------------|----------------------|
| Unit Type of Package 1 | PCE                  |
| Package 1 Height       | 7.00 In (17.78 cm)   |
| Package 1 width        | 6.50 In (16.51 cm)   |
| Package 1 Length       | 10.25 In (26.035 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation          |  <a href="#">REACH Declaration</a>   |
| REACH free of SVHC        | Yes   |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope  |
| China RoHS Regulation     |  <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure  |  <a href="#">Product Environmental Profile</a>   |
| Circularity Profile       |  <a href="#">End Of Life Information</a>   |
| PVC free                  | Yes   |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

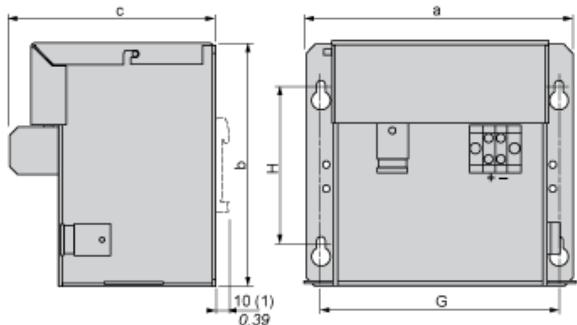
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24 Vdc Battery Module

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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 | 238/9.29 | 155.5/6.12 | 131 | 218/8.34 | 100/3.94 |

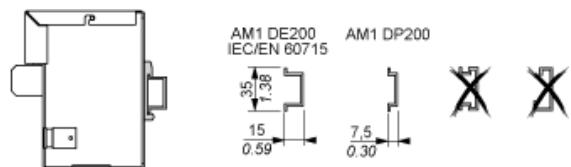
(1) ABL8BPK24A03 (with kit ABL1A02)

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24 Vdc Battery Module

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Mounting



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## Wiring Requirements

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### Cable Types and Wire Sizes

| ABL 8BPK24A**                   | mm <sup>2</sup> /AWG | ABL 8BBU24200                   | ABL 8BBU24400 |
|---------------------------------|----------------------|---------------------------------|---------------|
| Ø 4 mm <sup>2</sup><br>Ø 12 AWG | 10<br>0.39           | Ø 4 mm <sup>2</sup><br>Ø 12 AWG | 17<br>0.67    |
| ABL 8BPK24A**                   | +/-                  | mm <sup>2</sup> /AWG            | 6 / 10        |

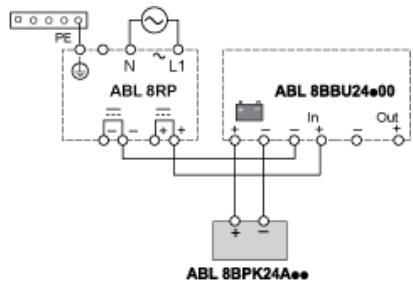
|                  |      |    |            |
|------------------|------|----|------------|
| Ø 5,5 mm/0.22 in | 0.15 | Nm | 1,7 Nm max |
| lb-in            | 15   |    |            |

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## 24 Vdc Battery Module Wiring

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### Wiring Diagram

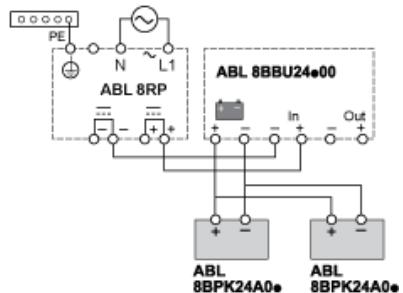


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## Paralleling 2 x ABL8PK24A0•

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### Wiring Diagram



|                       |                |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|