

DURA ECO LA-BAT 24V 3.4AH

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



The 5 battery modules with capacities from 1,2 Ah to 17Ah can supply up to 40 A for 30 minutes or 1 A for 30 hours and are fully compatible with the DC UPS control units CP DC UPS 24V 20A/10A & CP DC UPS 24V 40A. And for sure, the DURAEco series is a flexible & ease of use solution in a cost-effective design.

General ordering data

| | |
|------------|----------------------------|
| Version | Battery |
| Order No. | 2789900000 |
| Type | DURA ECO LA-BAT 24V 3.4AH |
| GTIN (EAN) | 4064675068655 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



UL File Number Search [UL Website](#)
 Certificate no. (cULus) E258476

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 166 mm | Depth (inches) | 6.5354 inch |
| Height | 141 mm | Height (inches) | 5.5512 inch |
| Width | 108 mm | Width (inches) | 4.252 inch |
| Net weight | 3900 g | | |

Temperatures

| | | | |
|---------------------|----------------|-----------------------|--|
| Storage temperature | -15 °C...50 °C | Operating temperature | |
| Humidity | 5...95 % RH | | |

Environmental Product Compliance

| | |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Not affected |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 30bf869c-8adc-4ed2-ad02-c1fec963e943 |

Operating interfaces and control inputs

| | |
|-------------------|------------|
| Temperature probe | NTC 100 kΩ |
|-------------------|------------|

Input

| | | | |
|------------------------|---------|------------------|--------|
| Rated input voltage | 24 V DC | Nominal capacity | 3.4 Ah |
| Charging current, max. | 0.51 A | | |

Output

| | | |
|---------------------------------------|-------------|--------|
| Parallel connection option | Yes | |
| Output current, max. | 25 A | |
| Temperature probe | NTC 100 kΩ | |
| Buffer time depending on current | Current | 17 A |
| | Buffer time | 3 min |
| | Current | 13 A |
| | Buffer time | 5 min |
| | Current | 3.7 A |
| | Buffer time | 30 min |
| Overload and short circuit protection | 25 A fuse | |

General data

| | | | |
|---------------------|-----------------|-----------------|-------------|
| Ambient temperature | -15 °C...+50 °C | Humidity | 5...95 % RH |
| Protection degree | IP20 | Life expectancy | 5.65 a |

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|---|-------------|--------------|-------|
| Vibration DIN rail/wall in accordance with IEC 68-2-6 | 0.7 / 0.7 g | Clip-in foot | metal |
| Shock wall acc. to IEC 68227 | 30 g | | |

Insulation coordination

| | |
|------------------|--|
| Protection class | III, with no ground connection, for SELV |
|------------------|--|

Connection data (input)

| | | | |
|---|---------------------|---|--------------------|
| Number of terminals | 2 (+,-) | Conductor cross-section, AWG/kcmil , max. | 6 AWG |
| Conductor cross-section, AWG/kcmil , min. | 24 AWG | Wire connection cross section, flexible (input), max. | 10 mm ² |
| Conductor cross-section, flexible , min. | 0.5 mm ² | Conductor cross-section, rigid , max. | 16 mm ² |
| Conductor cross-section, rigid , min. | 0.5 mm ² | Tightening torque, min. | 1.2 Nm |
| Tightening torque, max. | 2.4 Nm | | |

Connection data (signal)

| | | | |
|--|---------------------|--|----------------------------|
| Wire connection cross-section, flexible (signal), max. | 1.5 mm ² | Wire connection method | Pluggable screw connection |
| Wire cross-section, AWG/kcmil , max. | 16 | Wire cross-section, solid , min. | 0.2 mm ² |
| Wire cross-section, solid , max. | 1.5 mm ² | Wire connection cross-section, flexible (signal), min. | 0.2 mm ² |
| Number of terminals | 2 | Wire cross-section, AWG/kcmil , min. | 24 mm ² |

Classifications

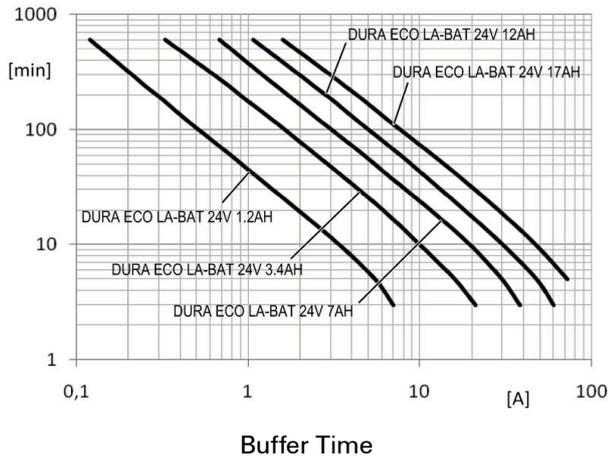
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002850 | ETIM 9.0 | EC002850 |
| ETIM 10.0 | EC002850 | ECLASS 14.0 | 27-04-06-92 |
| ECLASS 15.0 | 27-04-06-92 | | |

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Drawings

www.weidmueller.com



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Accessories

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BCZ 3.81/180



Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | BCZ 3.81/02/180 SN BK BX | Version | |
| Order No. | 1792770000 | PCB plug-in connector, female plug, 3.81 mm, Number of poles: 2, | |
| GTIN (EAN) | 4032248226757 | 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm ² , | |
| Qty. | 50 ST | Box | |