

DURA ECO LA-BAT 24V 7AH

24 V DC Battery Module for DC-UPS Systems — Weidmüller,
Order No. 2789910000



The DURA ECO LA-BAT 24V 7AH is a 24 V DC battery module that provides buffered, uninterrupted power to critical 24 V control circuits during mains dips and outages. It is built from sealed, maintenance-free lead-fleece (VRLA/AGM) batteries and includes an integrated NTC temperature probe, allowing the connected DC-UPS control unit to apply temperature-compensated charging for longer service life. Plug-in connectors for the battery and sensor leads make the module quick and safe to fit inside a control cabinet, and dual 25 A fuses protect the output path against overload and short circuit. Modules may be connected in parallel where a longer buffer time is required.

GENERAL / IDENTIFICATION

Manufacturer	Weidmüller Interface GmbH & Co. KG
Type	DURA ECO LA-BAT 24V 7AH
Order No.	2789910000
GTIN (EAN)	4064675068662
Version	Battery module
Battery technology	Sealed, maintenance-free lead-fleece (VRLA/AGM)
Compatibility	CP DC UPS 24V 20A/10A and CP DC UPS 24V 40A control units
Quantity	1 pc(s)

ELECTRICAL — INPUT

Rated input voltage	24 V DC
Nominal capacity	7 Ah
Charging current, max.	1.08 A

ELECTRICAL — OUTPUT

Output current, max.	50 A
Overload and short-circuit protection	2 × 25 A fuse
Buffer time at 10 A	26.5 min
Buffer time at 20 A	11.5 min
Buffer time at 40 A	5 min
Parallel connection option	Yes

OPERATING INTERFACES & CONTROL INPUTS

Temperature probe	NTC 100 kΩ
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MECHANICAL & ENVIRONMENTAL

Width	162 mm
Height	158 mm
Depth	135 mm
Net weight	6,120 g
Ambient temperature, charge	−15 °C ... +50 °C

Ambient temperature, discharge	-20 °C ... +60 °C
Storage temperature	-20 °C ... +60 °C
Humidity	5 ... 95 % RH
Life expectancy	5.65 years
Shock, wall mounting (IEC 68-2-27)	30 g
Vibration, wall mounting (IEC 68-2-6)	0.7 g

CONNECTIONS / TERMINALS

Input — conductor cross-section, rigid	0.5 ... 16 mm ²
Input — conductor cross-section, flexible	0.5 ... 10 mm ²
Input — conductor cross-section, AWG	24 ... 6
Signal — number of terminals	2
Signal — wire connection method	Pluggable screw connection
Signal — wire cross-section, solid	0.2 ... 1.5 mm ²
Signal — wire cross-section, AWG	24 ... 16

COMPLIANCE & STANDARDS

Protection class	III, with no ground connection, for SELV
Approval (cULus)	Certificate no. E258476
RoHS	Conform
Markings	CE, UKCA
REACH SVHC	Lead (CAS 7439-92-1)
SCIP number	30bf869c-8adc-4ed2-ad02-c1fec963e943
ETIM 8.0	EC002850
ECLASS 12.0	27-04-06-92

TYPICAL APPLICATIONS

Control cabinets and machine automation · PLC, HMI and safety-relay ride-through · SCADA and RTU cabinets · Telecom and networking equipment · Building management, access-control and fire/security panels · Any 24 V DC load requiring controlled shutdown or outage ride-through.

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