

# STEP-BAT/LI-ION/18.5DC/46WH - Battery module



1081355

<https://www.phoenixcontact.com/us/products/1081355>

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Battery module (device with battery), lithium-ion, 18.5 V DC, 46 Wh



## Product description

Lithium-ion battery for tool-free installation in the STEP UPS modules. As the STEP UPS uninterruptible power supplies are already supplied with this battery, this item is intended as a spare part.

## Your advantages

- Tool-free replacement during operation
- High energy density thanks to lithium-ion technology
- Compatible with 12 V and 24 V STEP UPS



## Commercial data

Item number	1081355
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM20
Product key	CMUSL9
GTIN	4055626809427
Weight per piece (including packing)	333 g
Weight per piece (excluding packing)	293 g
Customs tariff number	85076000
Country of origin	DE

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## Technical data

### Notes

#### General

Note on the battery	This product contains a battery with a limited shelf life that must be charged every few months. The product packaging indicates when the battery must be started up or recharged. The general shelf life can be found in the technical data area under "Latest startup". To prevent deep discharge, store and transport the battery module outside of the uninterruptible power supply.
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### Input data

Input voltage	18.5 V DC
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### Output data

Balancer circuit, internal	yes
Protective circuit, internal	yes

### Energy storage

End-of-charge voltage	21 V DC
Charging current	400 mA
Nominal capacity	2.5 Ah
Battery module service life, cyclically	> 500 (Full cycles)
Latest startup date (battery only)	12 Months (20 °C ... 30 °C)
Battery technology	Lithium-ion
Memory medium	LI-ION, 46 Wh
Number of cells	5
Size designation	Block
Battery pack	yes
IQ technology	no
Suitable for fast charging	no

### Product properties

Product type	Battery module
Product family	Battery module (device with battery)
IQ technology	no

#### Insulation characteristics

Protection class	III
Degree of pollution	2

### Dimensions

Width	88 mm
Height	46 mm
Depth	61 mm

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 45 °C
Max. permissible relative humidity (operation)	≤ 95 % (25 °C, non-condensing)

### Ex data

Suited for EX-applications	no
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1081355>



**IECEE CB Scheme**

Approval ID: DK-176231-UL



**cULus Recognized**

Approval ID: MH48963-20211110



**cULus Recognized**

Approval ID: MH48963-20211110



**EAC**

Approval ID: RU S-DE.BL08.W.00764



**IECEE CB Scheme**

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## Classifications

### ECLASS

ECLASS-13.0	27050403
ECLASS-15.0	27050403

### ETIM

ETIM 10.0	EC003893
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### UNSPSC

UNSPSC 21.0	26111700
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	df2129b8-5e2f-45bc-bc92-a694c7af8fd6

### EF3.1 Climate Change

CO2e kg	8.631 kg CO2e
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