

1584577

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Battery module (device with battery), Lithium-Ion (LiFePO₄), 24 V DC, 716 Wh

Commercial data

Item number	1584577
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CMUEL3
GTIN	4067923077690
Weight per piece (excluding packing)	10.626 g
Customs tariff number	85076000
Country of origin	CN

UPS-BAT/LI/24DC/716WH - Battery module



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Technical data

Energy storage

Input

Input voltage	24 V DC
Nominal capacity	716 Wh (28 Ah)
Charging current	5.6 A (-5 °C ... +10 °C)
	15 A (+10 °C ... +55 °C)
End-of-charge voltage	28.4 V DC (20 °C)

Output

Output current	max. 45 A (Derating: 50 °C ... 55 °C, 30 A)
Output fuse	2x 25 A ATOF Blade Fuse
Buffer time	84 min (20 A)
	41 min (40 A)

General

Connection in parallel	yes
	max. 4
Battery type	BST, DB 24-28
Battery technology	Lithium-Ion (LiFePO ₄)
IQ-Technology	yes
Latest startup date (battery only)	9 Months (20 °C)
Accumulator module service life (according to Eurobat)	10 (20 °C)
Temperature sensor	yes

Connection data

Conductor connection

Connection method	Push-in connection
rigid	10 mm ² ... 16 mm ² (recommended)
	0.75 mm ² ... 16 mm ²
flexible	10 mm ² ... 16 mm ² (recommended)
	0.75 mm ² ... 16 mm ²
AWG	8 ... 4 (recommended)
	20 ... 4
Stripping length	18 mm

Conductor connection

Connection method	Push-in connection
rigid	0.75 mm ² ... 16 mm ² (LIN)
flexible	0.75 mm ² ... 16 mm ² (LIN)
AWG	20 ... 4
Stripping length	18 mm

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Product properties

Product family	Battery module (device with battery)
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Insulation characteristics

Protection class	III
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Dimensions

Width	260 mm
Height	215 mm
Depth	168 mm

Cable/line

Battery connecting cable:

Cable length	265 mm
Color	red/black

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (transport)	-40 °C ... 55 °C
Ambient temperature (storage)	-20 °C ... 35 °C
Ambient temperature (charge)	-5 °C ... 55 °C
Ambient temperature (discharge)	-15 °C ... 55 °C
Max. permissible relative humidity (operation)	≤ 95 %

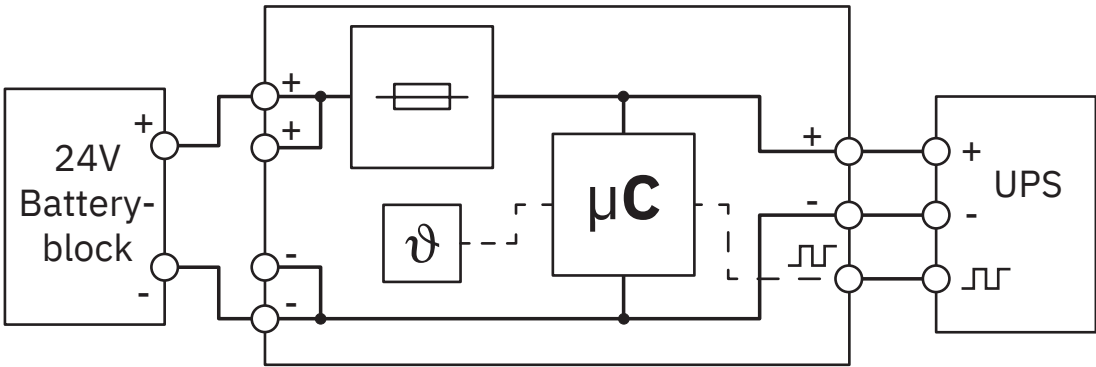
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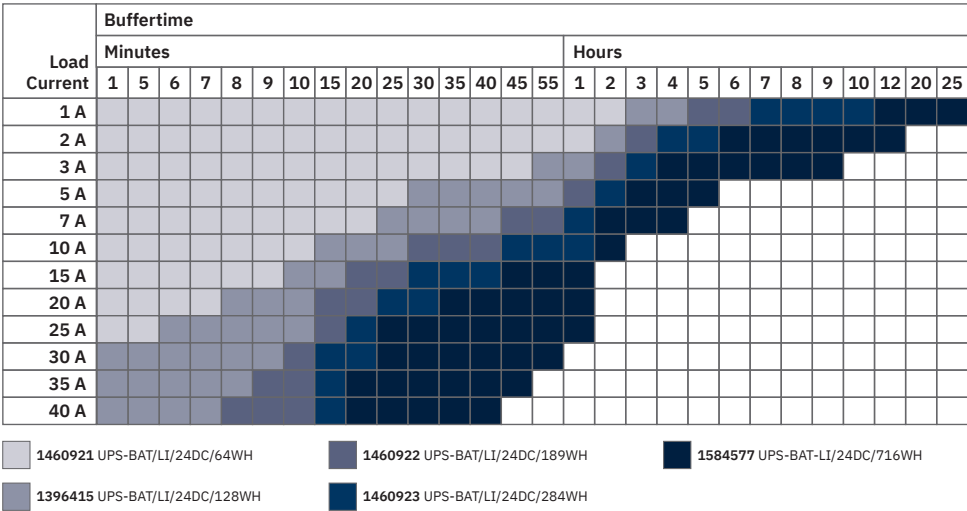
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Drawings

Block diagram



Graphic



Lithium battery buffer times for QUINT DC UPS

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Approvals

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IECEE CB Scheme

Approval ID: E123528-20250815-1



cULus Listed

Approval ID: E123528-20250926



cULus Listed

Approval ID: E199827-20250929

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Classifications

ECLASS

ECLASS-15.0	27050403
ECLASS-13.0	27050403

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Environmental product compliance

EU RoHS

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

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	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)
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