

# ∞Cell 1300 Ah

Prismatic LFP cell for long-duration energy storage



## Prismatic LFP cell with high cyclic lifetime, low temperature rise and reliable safety characteristics

Specially optimised for use in stationary energy storage systems with the highest requirements on safety, reliability and performance. Suitable e.g. for industrial, utility, and grid serving applications.

- Product certifications\*: IEC62619, IEC62620, UL9540A, UL1973, UL1642, UN38.3
- Company certifications: ISO 9001, ISO 14001, ISO 45001, SA 8000
- Environmental compliance\*: RoHS, REACH, Regulation (EU) 2023/1542, Cobalt free

## Low LCOS (Levelised Cost of Storage)

- High cyclic lifetime  $\geq 10,000$  cycles, thanks to advanced material and process technologies
- Designed for Long Duration Energy Storage (LDES) systems

## High energy density

- Gravimetric energy density is  $\geq 190$ Wh/kg
- Volumetric energy density is  $\geq 406$ Wh/L

## Reliable Safety

- HiTHIUM-developed prismatic LFP cell with high thermal stability
- No fire or explosion during nail penetration and crush tests
- Ultra wide operating temperature range

# CCell 1300 Ah

Prismatic LFP cell optimised for use in stationary ESS



GENERAL	
Nominal Capacity	1300 Ah <sup>1,2</sup>
Nominal Energy	4.160 Wh <sup>1,2</sup>
Cell Chemistry	LiFePO <sub>4</sub> (LFP)
Nominal Cycles	≥ 10.000 <sup>1,2,3</sup>
Gravimetric ED	≥ 190 Wh/kg
Volumetric ED	≥ 406 Wh/L
Cell Model	MC1300P0167A

ELECTRICAL	
Nominal Voltage	3,2 V <sup>1,2</sup>
Operating Voltage	T > 0°C 2,50 ... 3,65 V T ≤ 0°C 2,00 ... 3,65 V
AC Resistance (1 kHz)	0,25 mΩ +/- 0,05 mΩ
Max Self-discharge Rate	3% +/- 0,5
Nominal Continuous Charge/discharge Rate	0,167 P/0,167 P

<sup>1</sup> 0,167 P / 0,167 P

<sup>2</sup> 25°C +/- 2.0

<sup>3</sup> 70 % SOH

<sup>4</sup> 27 % SOC

\* The certifications are in-progress.

MECHANICAL	
Dimensions (L x W x H)	580,22 x 75,22 x 234,60 mm
Type	Prismatic

  

TEMPERATURE RANGE	
Charging	0°C ... 60°C
Discharging	-30°C ... 60°C
Storing (Recommended)	-20°C ... 35°C

PRODUCT CERTIFICATIONS*	
Safety Certificates	IEC62619, IEC62620, UL9540A, UL1973, UL1642,
Transportation	UN 38.3

ENVIRONMENTAL*	
Compliance	RoHS, REACH, Regulation (EU) Cobalt free
Regulation (EU)	2023/1542

COMPANY CERTIFICATIONS	
	ISO 9001, ISO 14001, ISO 45001, SA 8000

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