

# SolidFlow™ Battery

Preliminary Datasheet: Module

Over	Up to	Up to	As little as	And
<b>&gt;10h</b>	<b>400%</b>	<b>20%</b>	<b>5¢/kW</b>	<b>0%</b>
Duration	Higher energy density than flow system	Smaller footprint	LCOS	Flammable

## The Module Concept

Our proprietary SolidFlow energy storage architecture combines the scalability and longevity of redox-flow batteries with energy densities comparable to lithium-based systems.

A modular design lets you start small and scale seamlessly-adding capacity as your requirements evolve, without complex system changes.

The modules have the following specifications:



### Electrical Data

Rated Power:	10 kW
Rated Energy:	100 kWh
Maximum DC Voltage:	850V DC
Minimum DC Voltage:	Depends on the inverter
Nominal AC Voltage:	400V DC at 50Hz
Efficiency:	75%

## Physical Dimensions

External dimensions per Module L x W x H:	1140mm x 1140mm x 1600mm
Weight per Module:	2500 kg
Ingress Protection (IP:)	IP21
Certifications	CE marking
Asset Lifetime	10 years with LTSA* 20 years with LTSA* plus

\*Long-term Service Agreement

## Conditions Value

Operating Temperature:	5 to 40°C
Operating Humidity:	20 - 90% non-condensing
Temperature during Transportation and Storage	-25 to + 55°C max 24h at 70°C
Installation Height:	up to 1,000m ASML
Maximum Noise Level Battery:	45 dBA*

\*without inverter

## CMBLU Energy AG

D-63755 Alzenau  
Industriesstraße 19  
Tel: +49 (0) 6023 70 62 0

Email: [contact@cmblu.de](mailto:contact@cmblu.de)  
[www.cmblu.com](http://www.cmblu.com)

2026 CMBLU Energy AG  
© All Rights Reserved  
Specs may change without notice  
CMBLU\_Datasheet\_EU\_2025\_V4.3