

# SolidFlow™ Battery

Preliminary Datasheet: Module

Over  
**>10h**  
Duration

Up to  
**400%**  
Higher energy density  
than flow system

Up to  
**20%**  
Smaller footprint

As little as  
**5¢/kW**  
LCOS

And  
**0%**  
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 50-60Hz
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 certified in 2027 UL certified in 2028
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

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