

SMILE-M5

5 kW Single Phase Inverter

13.99 kWh Battery Module, expandable from 13.99 - 27.98 kWh



What Makes SMILE-M5 Unique?

More of your solar. More control over your energy.



All-in-one energy storage

A complete battery storage solution in one compact system, making it simple to integrate into your home.



Get more from your solar

With up to 200% PV input on the SMILE-M5-S, you can make the most of your existing roof space and capture more of the solar energy your home generates.



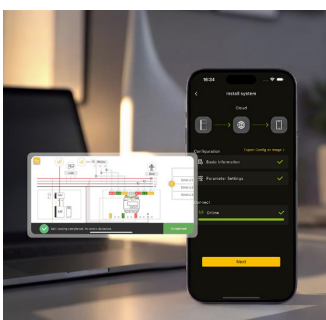
Store solar for when you need it

Get more value from your solar system by storing surplus solar energy in your battery and shifting your energy use away from costly peak night-time periods.



Built with safety in mind

Advanced cell-level safety features and built-in aerosol fire suppression provide added protection for your home and battery system.



Quick and easy setup

Fast commissioning through the AlphaESS Partner App, with built-in CT and meter self-checks to help get your system up and running sooner.



Compact and tidy

A neat, compact design that integrates easily into your home without taking up unnecessary space.



Future Ready

VPP compatibility gives you the flexibility to connect to supported Virtual Power Plant programmes as they become available, potentially allowing your stored energy to play a bigger role in the wider electricity network.



Get more from every charge

100% DoD means more stored energy available when you need it most.

Quick Specs

Model

SMILE-M5-S

SMILE-M5-B

Rated Output Power

5kW

Coupling

Hybrid Inverter

Battery Inverter

Battery Capacity

13.99 - 27.98 kWh (1-2 x 13.99 kWh modules)

Battery Chemistry

LFP (LiFePO₄)

PV Input

up to 10kW, 2 MPPTs

N/A

Backup

UPS-level backup

Ingress Protection

IP65

Warranty

10 years

