Pro Series Data Sheet

AC Energy Storage

modual – Innovative, sustainable energy storage solution

Product Overview

The Pro Series is a range of stationary battery storage systems from modual, based on high-quality second-life EV batteries. The system offers a sustainable, high-performance and cost-effective solution for domestic and commercial applications.

modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

8 July 2026

Key Features

- Second-life EV battery technology
- Sustainable use of resources
- High-performance, robust and safe
- Wall or floor mounting available
- Modularly expandable
- Suitable for indoor use

Technical Specifications

The following technical specifications describe the performance and system characteristics of the **Pro Series** battery storage solution.

Product name	Pro Series 35	Pro Series 70	Pro Series 105	Pro Series 140	Pro 175 Series	Pro 210 series
Manufacturer	modual					
Battery technology	Lithium-ion, lithium iron phosphate (LFP)					
Battery type	100% second-life EV batteries					
Total capacity	40 kWh	80 kWh	120 kWh	160 kWh	200 kWh	240 kWh
Usable capacity	35 kWh	70 kWh	105 kWh	140 kWh	175 kWh	210 kWh
Maximum charging power[1]	> 15 kW	> 30 kW	> 45 kW	> 60 kW	> 75 kW	> 90 kW
Maximum discharge power[1]	> 15 kW	> 30 kW	> 45 kW	> 60 kW	> 75 kW	> 90 kW
Maximum AC output current	30 A	60 A	90 A	120 A	150 A	180 A
AC voltage	3-phase, 400 V, 50 Hz					
Maximum efficiency[1]	> 95%					
Cycle life	> 5,000 cycles					
Cooling	Passive					
Communication with EMS	RS485 Modbus RTU / Modbus TCP from the inverter [2,3]					
Dimensions (H x W x D) [mm]	1700 x 1200 x 300	1700 x 1200 x 800	1700 x 1200 x 1200	1700 x 1200 x 1600	1700 x 1200 x 2000	1700 x 1200 x 2400
Weight	400 kg	800 kg	1,200 kg	1,600 kg	2,000 kg	2,400 kg
Operating temperature	5°C to 40°C					
Approvals	VDE-AR-N 4105 IEC/EN 62109-2 EN 50549-1 CE					
IP rating	IP20					
Max. output power to the domestic installation (PV + battery)[2]	20 kW	40 kW	60 kW	100 kW	120 kW	140 kW
Usable PV power (feed-in + charging)[2]	30 kW	60 kW	90 kW	120 kW	150 kW	180 kW
Number of MPPT	4	8	12	16	20	24

[1] at 25°C; subject to technical changes and errors

[2] The hybrid inverter supplied by modual is a Solis S6-EH3P20K-H.

[3] The modual Pro series is compatible with the Solarmanager Connect 2.

modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

Scalability and expandability

The **Pro Series** has a modular design and allows the storage capacity to be flexibly adapted to the respective energy requirements.

Each battery pack forms an independent base unit. Multiple units can be electrically interconnected on the AC side to form larger storage systems.

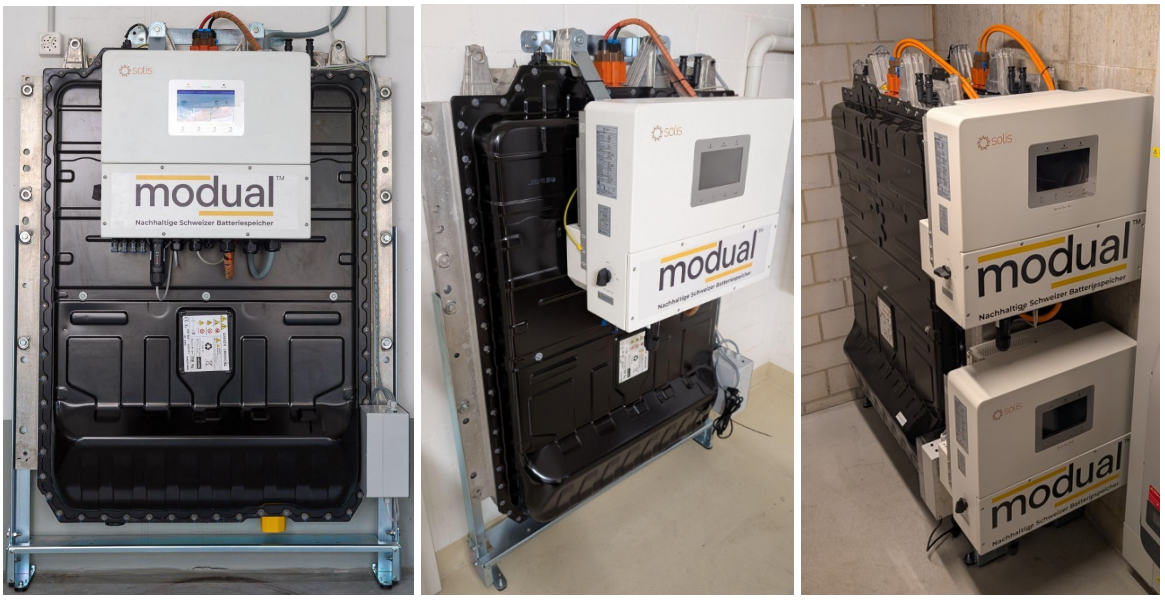
Example system configurations:

- 1 × Pro Series pack **> 35 kWh**
- 2 × Pro Packs **> 70 kWh**
- 4 × Series Pro Packs **> 140 kWh**
- 6 × Series Pro packs **> 210 kWh**

Systems that have already been installed can be expanded with additional battery units. Existing components remain fully intact, whilst the storage capacity grows in line with the user's requirements.

The modular architecture enables:

- sizing to suit requirements during initial installation
- easy subsequent capacity expansion
- space-saving side-by-side or stacked installation
- scalable storage capacity for domestic and commercial applications



(Installation examples)

modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

Safety and software

The **Pro series** is controlled by a higher-level intelligent system software developed entirely in-house by modual. This coordinates the operation of all connected battery packs, optimises energy flows and power delivery, and enables convenient remote monitoring and maintenance.

Each battery pack is equipped with its own Battery Management System (BMS) at pack level. The BMS continuously monitors cell voltages, temperatures, charge and discharge currents, and insulation conditions, ensuring consistently stable and efficient operation.

The battery packs are based on a particularly safe LFP (lithium iron phosphate) cell chemistry. This cell technology offers high thermal stability, excellent electrical safety and a long service life.

System features at a glance:

- Multi-level monitoring at cell, pack and system levels
- intelligent control of charging and discharging processes
- Safe high-voltage isolation and system enablement
- Continuous status data acquisition (State of Charge / State of Health)
- Convenient remote monitoring and remote access for service functions

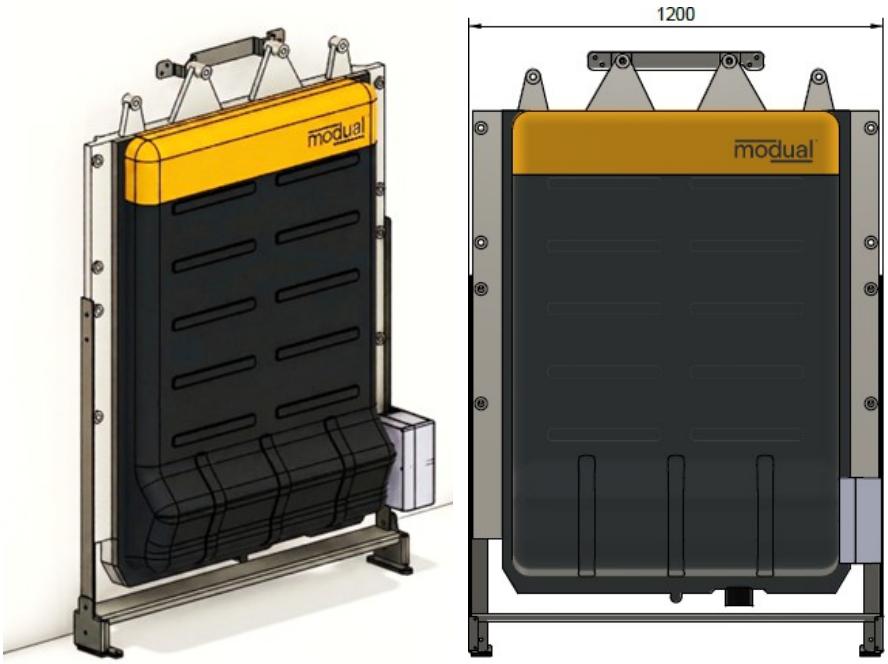
The combination of modual system software, pack BMS and LFP cell technology forms a robust, scalable and particularly reliable and safe energy storage platform for demanding applications.

Installation options for the Pro 35 series

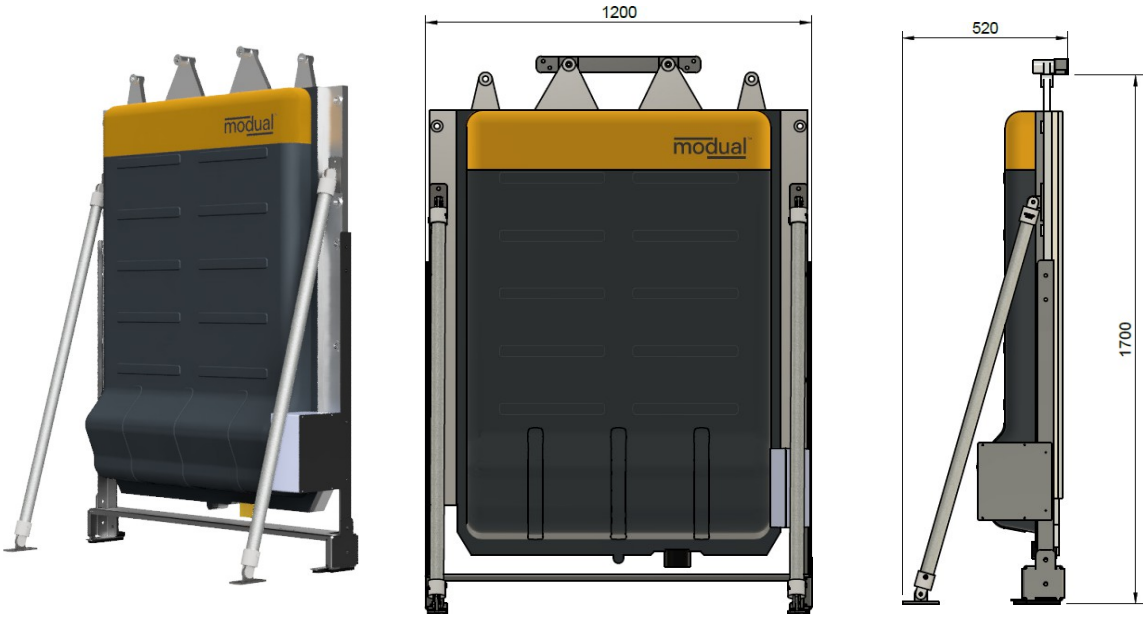
For the Pro 35 series, there are two battery pack installation options and two different inverter mounting options. These options can be combined. Please specify your preferred option when placing your order.

Battery pack installation

Option 1 (wall-mounted)



Option 2 (free-standing, optional bracket required)



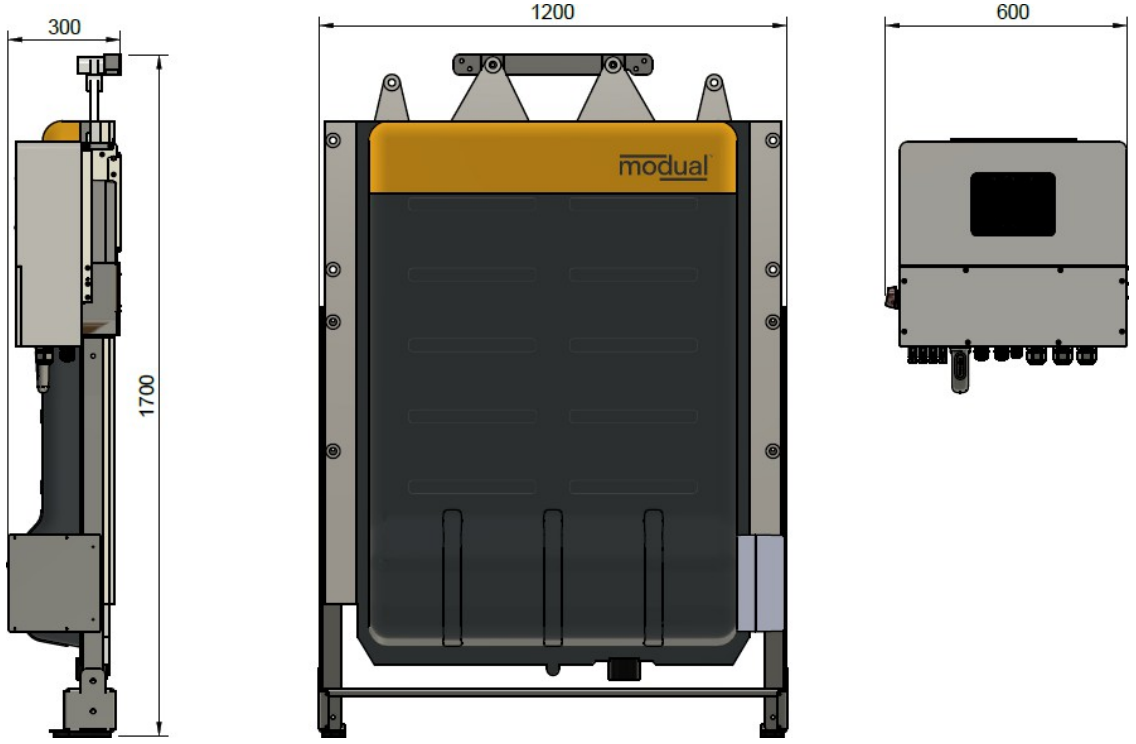
modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

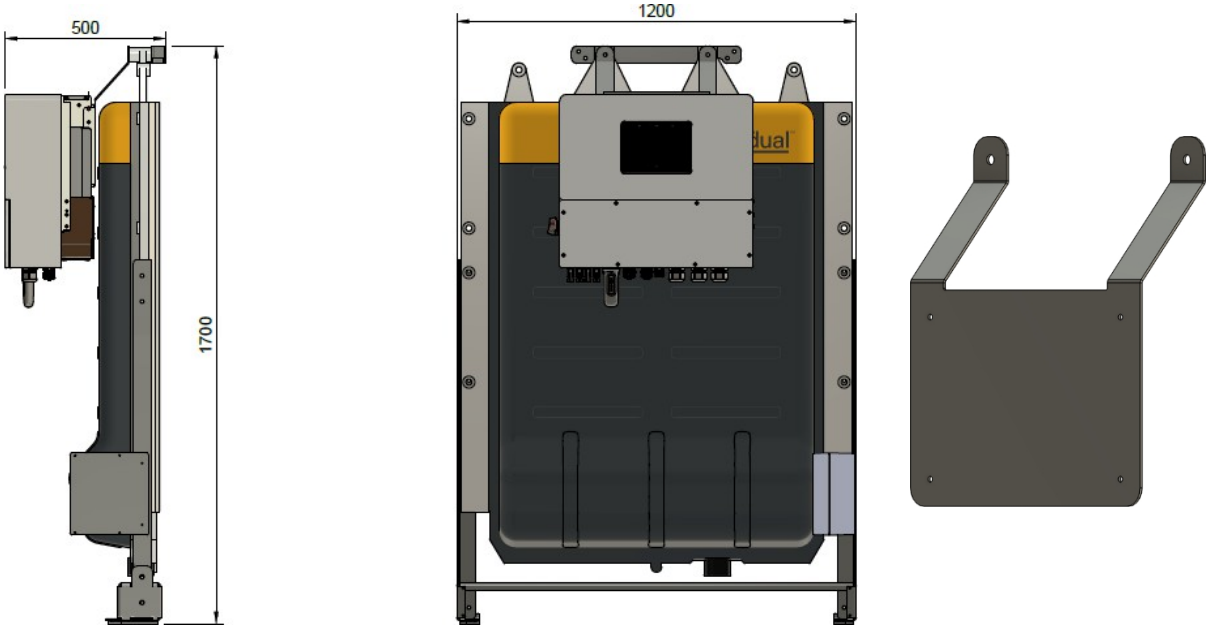
8 July 2026

Inverter installation

Option 1 (inverter wall-mounted)



Option 2 (inverter pack mounting, optional bracket required)



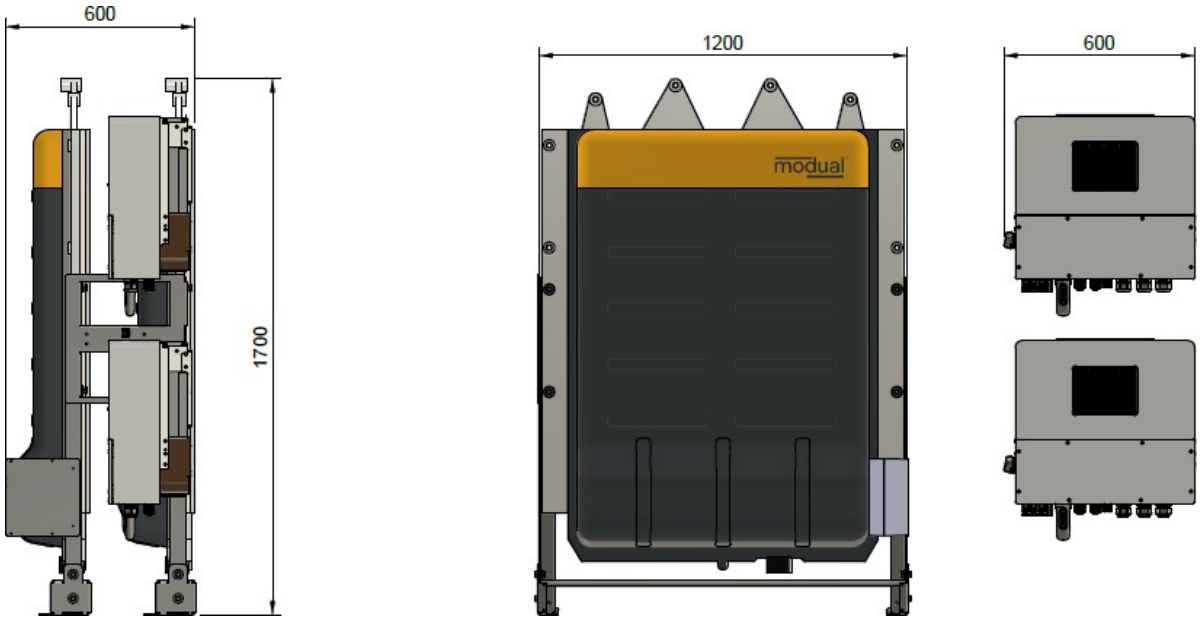
modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

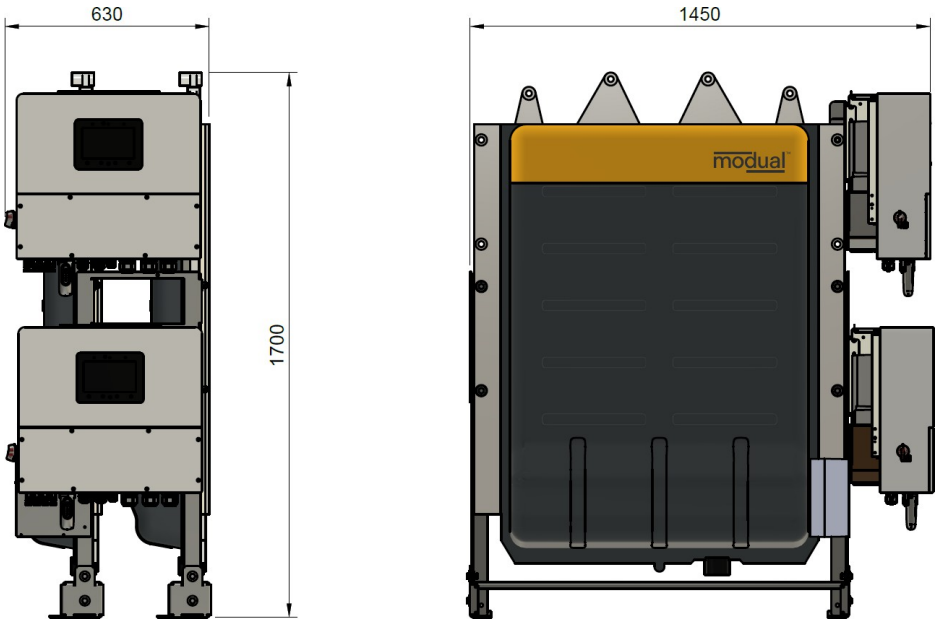
Installation options for the Pro 70 series

For the Pro Series, the inverters can be mounted either on the wall or on the battery pack. Please specify the desired variant when ordering.

Option 1 (wall-mounted inverter)



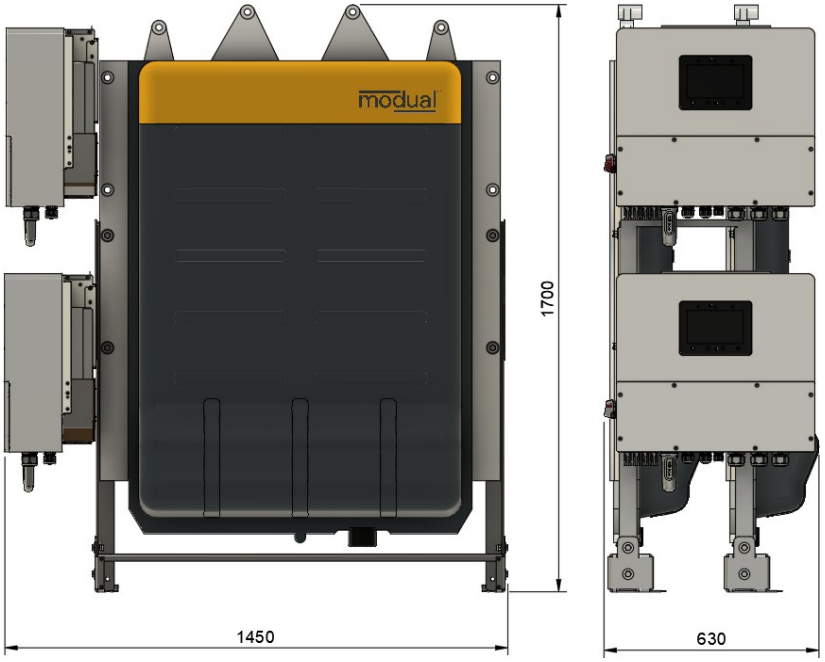
Option 2 (inverter pack mounted on the right, optional bracket required)



modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch

Option 3 (inverter pack mounted on the left, optional bracket required)



modual AG
Seewenstrasse 13
6440 Brunnen

office@modual.ch
www.modual.ch