

INDUSTRIAL BATTERIES (25-60 kWh)

Modular batteries with a capacity of up to 360 kWh



INDUSTRIAL BATTERIES FROM 25 TO 60 KWH

The best solution to complement our hybrid inverters is undoubtedly the battery series from the renowned manufacturer SUNWODA.

SUNWODA is a global leader in energy storage solutions using Lithium Iron Phosphate (LiFePO₄). With more than 50,000 employees worldwide, it has established itself as a Tier-1 manufacturer recognised for its excellence and innovation.

This storage system stands out for its versatility and adaptability. Thanks to its rack-type design, it can be configured from 25 kWh to 60 kWh, increasing in 5 kWh increments with a single management unit, and reaching up to 360 kWh when combining six units. It's the perfect solution for industrial facilities of any size, especially those with limited space, as its modular design allows for customisation to meet any energy requirement.

We also offer an option designed for outdoor use: a 60 kWh cabinet with climate control and fire protection systems. The included wall-mounting bracket for the inverter and compact design facilitate installation and ensure optimal use of the available space.

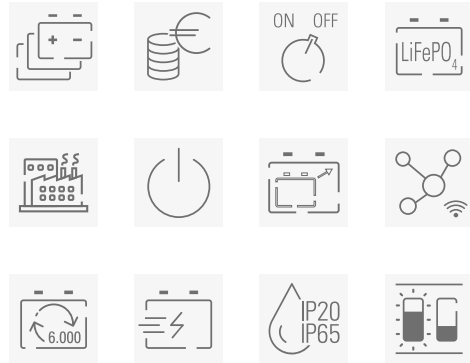
Uses: Joint installation with the EQUINOX2 HSX/HT/HT+

A specific firmware has been developed to maximise the performance of the batteries and meet the requirements of both the entire EQUINOX2 hybrid range and the needs of our customers. The system is primarily geared towards large installations that require high storage capacity, either to cover peaks in energy demand that cannot be met by solar panels or to store surplus energy for use during periods when there is no production. It's also ideal for large-scale isolated installations that require high battery capacity.



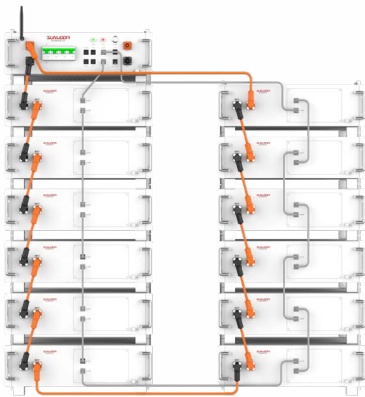
Features

- LiFePO₄ technology
- Flexible and modular configuration with a capacity of up to 360 kWh
- Possibility of future expansion
- Connectors and installation materials included
- 10-year warranty or 6,000 cycles
- WIFI and Ethernet communications
- Optimised for industrial and isolated installations
- Operating temperature range from 0°C to 50°C
- Cabinet includes climate control that increases the range from -30°C to 50°C
- Cabinet includes built-in fire protection
- Cabinet includes side support for inverter



Maximum capacity

If more than 60 kWh is required, up to 6 modules can be connected in parallel to achieve a total capacity of 360 kWh.



Backup adaptability

The system's modular nature ensures optimal adjustment to the user's energy backup requirements, while adapting fully to their capacity for investment.

All in one

With an outdoor-ready cabinet featuring built-in climate control and fire protection, you won't have to worry about anything. Simply mount your desired inverter on the side and make the connections.



Range

MODEL	CODE	RATED CAPACITY (kWh)	RATED VOLTAGE (V)	DIMENSIONS (D x W x H mm)	WEIGHT (kg)	COMPATABILITY
SUNWODA Industrial 25 kWh	6B2EA000000	25	256	410 x 480 x 104	248	HSX, HT, HT+
SUNWODA Industrial 30 kWh	6B2EA000001	30	307.2	410 x 480 x 121	294	HSX, HT, HT+
SUNWODA Industrial 35 kWh	6B2EA000002	35	358.4	410 x 1180 x 700	340	HSX, HT, HT+
SUNWODA Industrial 40 kWh	6B2EA000003	40	409.6	410 x 1180 x 870	386	HSX, HT, HT+
SUNWODA Industrial 45 kWh	6B2EA000004	45	460.8	410 x 1180 x 870	432	HSX, HT, HT+
SUNWODA Industrial 50 kWh	6B2EA000005	50	512	410 x 1180 x 1040	478	HSX, HT, HT+
SUNWODA Industrial 55 kWh	6B2EA000006	55	563.2	410 x 1180 x 1040	524	HSX, HT, HT+
SUNWODA Industrial 60 kWh	6B2EA000007	60	614.4	410 x 1180 x 1210	570	HSX, HT, HT+
SUNWODA Industrial cabinet 60 kWh	6B2AC000005	60	614.4	750 x 1200 x 2160	880	HSX, HT, HT+

You can configure up to 6 towers/cabinets in parallel, reaching a maximum of 360 kWh.
For isolated installations, we recommend installing at least twice the rated power of the inverter.

Dimensions



BATTERY MODULE

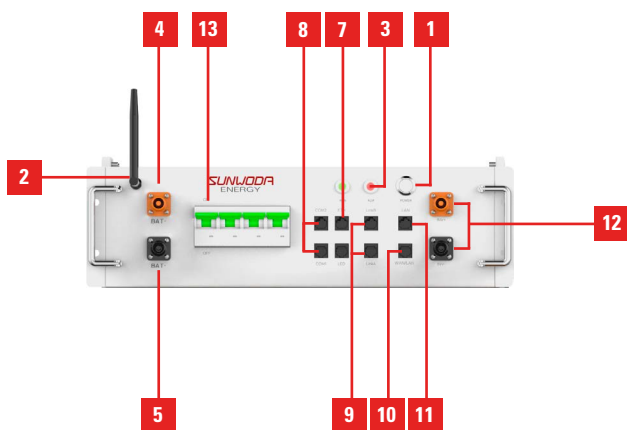


CONTROL MODULE (BMS)



INDUSTRIAL CABINET 60 kWh

Connections



CONTROL MODULE (BMS)

1. On/Off button.
2. Wi-Fi antenna
3. Alarm LED
4. Positive battery terminal.
5. Negative battery terminal.
6. Main communication port (inverter connection).
7. Ethernet connection.
8. Ports for connecting to other batteries
9. Earth connection.
10. WLAN connection.
11. LAN/RJ45 connection
12. Positive/negative output connector
13. DC Disconnector

Technical specifications

MODEL		INDUSTRIAL BATTERIES
BATTERY	Rated voltage	256 ÷ 615
	Rated capacity (kWh)	25 ÷ 60
	Rated charge/discharge power (kW)	12.5 ÷ 30
	Maximum charge/discharge current (A)	100
	Discharge cycles	6,000 cycles @ 25°C 0.5C 90% DOD, EOL 70%
GENERAL	Connections	Quick connectors / RJ45
	Level of protection	IP20 / IP5
	Communication interface	CAN 2.0 / RS485 / WIFI / LAN
	Operating temperature range	Charge: 0°C~50°C / Discharge -20°C~55°C / -30°C~50°C
	Cooling	Natural cooling/Air conditioning cooling
	Relative humidity	5 ~ 95% (non-condensing)
	Maximum operating altitude	2400 mas ⁽¹⁾
STANDARDS	Safety / EMC	CE / UN38.3 / IEC62619 / VDE-AR-N 4105 / IEC 6210
	Corporate certifications	ISO 9001, ISO 14001, ISO 45001
DIMENSIONS	Depth × Width × Height (mm)	410 ÷ 750 x 480 ÷ 1180 x 104 ÷ 2160
WEIGHT	Weight (kg)	248 ÷ 880

Information subject to change without notice.

(1) Power degradation up to a maximum of 5000 metres above sea level.

