

solitia



CASIA LV4850 SOLAR LI-ION BATTERY RACK SIZE FOR 19" 2U

2,4kWh | 50A | 48V



High performance solar li-ion batteries for self-consumption and offgrid systems

The CASIA battery series are energy storage units specifically designed for solar photovoltaic systems.

Their high performance rate, capacity and compatibility allows the use of the CASIA batteries both in residential and industrial and commercial installations.

Thanks to its compact format and weight less than 25 kg, the CASIA series batteries can be installed in 19-inch rack-type cabinets, occupying only 2U space.

SOLITIA batteries from the CASIA series are certified according to Directive 2014/30/EU (CE), UN38.3, IEC 62619 and RoHS.



HIGH ENERGY DENSITY

Each CASIA LV4850 drive has a capacity of 2.4kWh in 2U format for standard 19" rack.



HIGH COMPATIBILITY

Works with Sofarsolar, Victron, Voltronic, Goodwe and Growatt inverters (more to coming).



MANUFACTURED WITH BEST WARRANTY

7-year warranty conserving more than 80% of its nominal capacity. Design life: > 10 years.



SAFETY AND STABILITY

LFP (LiFePO4) technology and advanced BMS guarantees high stability and safety of use.



HIGH PERFORMANCE

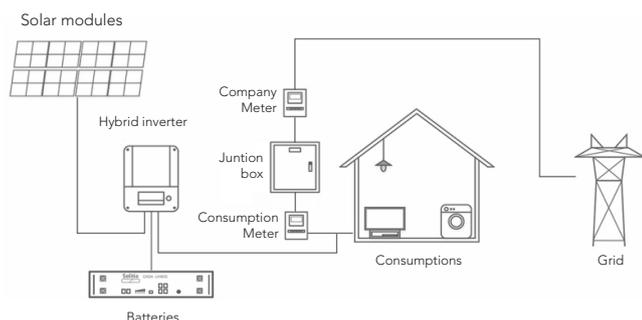
Nominal energy 2.4kWh, capacity 50 Ah. 25A recommended in charging and discharging.



ESCABILITY UP TO 36KWH

Supports up to 15 batteries connected in the same parallel thanks to the LVP48-400A concentrator.

General installation diagram



Included accessories

Kit of electrical cables for connection between batteries (orange and black)

Battery communication cable for Victron / Voltronic inverters
Battery communication cable for SofarSolar inverters

Communication hose between batteries

Ground wire

Rack fixing screws

| Technical specifications | Parameters | CASIA LV4850 |
|-----------------------------------|--|---|
| Electric characteristics | Rated Voltage (V) | 48 V |
| | Rated Capacity (Ah) | 50 Ah |
| | Rated energy (kWh) | 2,4 kWh |
| | Operating voltage range (V) | 40,5~54 V |
| | Recommended charge / discharge current (A) | 25 A |
| | Maximum charge / discharge current (A) | 50 A |
| | Maximum continuous power output (kW) | 2,4 kW |
| Protections | Overcharge, Overdischarge, Overcurrent, Reverse connection, Short circuit, Temperature | Yes |
| Mechanical characteristics | Size (Length x Width x Height, mm) | 440x410x88,5 mm (without rack fixing plates) |
| | Weight | 24 kg |
| Other data | Communication ports | RS485 / CAN / BLE (optional WiFi / Bluetooth) |
| | Scalability (max. units) | Up to 15 baterias with concentrator |
| | Charge temperature range | 0~60°C (Recommended 10~45°C) |
| | Discharge temperature range | -20~60°C (Recommended 10~45°C) |
| | Design life | More than 10 years |
| | Cycles | 6000 cycles 60% DoD / 4000 cycles 90% DOD |
| | Certifications | EC certificate, UN38.3, Rosh, IEC 62619 |
| | Warranty | 7 years (10 year extension available) * |
| | Packed battery size | 523x493x183mm |

* During the warranty period, the cumulative energy maximum discharge will be 6MWh.

| Compatible inverter brand | Compatible models | Communication ports |
|---------------------------|-------------------------------------|-----------------------------|
| Voltronic | Apert MKS, VMIII | RS485 |
| Sofarsolar | HYD 3K-6K-ES, HYD 3K-6K-EP | CAN |
| Victron | Multiplus, Multiplus II Quattro 48V | CAN (with CCGX or Venus GX) |
| Goodwe | GW-BP/SBP, GW-ES/EM | CAN |
| Growatt | SPH series, SPF series | CAN |
| Solis | RHI series, RAI series | CAN |
| Darfon | H5000, HB5 | RS485 |

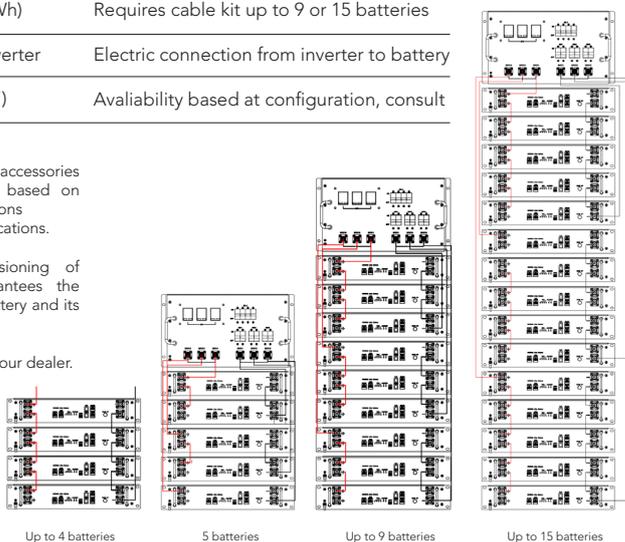
Configuration systems and additional accesories (sold separately)

| | |
|---------------------------------------|--|
| 1 to 4 modules (2,4 kWh a 9,6 kWh) | Not concentrator required |
| 5 to 15 modules (12 kWh to 36 kWh) | LVP48-400A concentrator required Requires cable kit up to 9 or 15 batteries |
| Cable battery/inverter | Electric connection from inverter to battery |
| Rack cabinet (19") | Availiability based at configuration, consult |

Configuration and accesories required may vary based on available configurations or requested specifications.

The good dimensioning of your system guarantees the useful life of the battery and its performance.

If in doubt, consult your dealer.



Size diagrams

