



Storage System Leonardo 4K 3000-48 Li

Reference: 015022

Storage System Leonardo 4K 3000-48 Li

Storage system Leonardo 4k3000-48 Li 3000W 48V, Lithium Ion Battery.

The Leonardo 4K is a LITHIUM accumulation system, specifically designed for NEW PLANTS.

In the event of a power failure, the Leonardo 4K 3000/48 Li guarantees the continuity of operation of the utilities without perceptible

discontinuity, creating an isolated Off-Grid grid for the privileged users connected to AC-OUT 1.

The Leonardo PRO 4k is used to increase the user's share of self-consumed energy, maximizing energy independence.

The Leonardo 4K 3000/48 Li provides four independent MPPT maximum power point search inputs, which, depending on the battery charge status, always maximizes the energy extracted from the PV modules.

The Leonardo PRO II 3000/48 Li is compatible with LG CHEM's TAWAKI BATTERY and RESU 3.3 - 6.5 - 10 lithium-ion battery and can be installed in accordance with CEI 0-21.

Advantages of using the AC Leonardo 4K 3000-48 Li storage system

- Maximum efficiency: 95%
- Output power: 3000 VA
- Easy wiring and installation
- AC overload and short circuit protection with direct self-consumption + supply from the battery, the PV system feeds directly into the home and the peak consumption is cancelled by the power taken from the battery.

Anti-blackout function.

In case of BLACK-OUT, the privileged users connected on the AC-OUT-1 line are powered by creating a PRIVILEGATED isolated network.

During the day, the device is normally in the BY-PASS + INVERTER state, for direct self-consumption with accumulation, the PV system directly feeds the domestic users and the excess production is used to charge the battery, trying to cancel the power taken from the mains;

In case of fully charged battery and reduced self-consumption, the management system never feeds energy into the grid, but a clean contact for maximum self-consumption allows to activate user loads (water heater, heat pump, etc. ...) increasing its share of self-consumed energy.

At night, when we have no more PV power produced, the converter delivers the power required by the users, with the support of the electrical network in case of demand exceeding the capacity of the appliance.

Lithium ion batteries: TAWAKI, RESU 3.3 - 6.5 - 10 LG CHEM

Integrated monitoring and control

Technical characteristics of the AC Leonardo 4K 3000-48 Li storage system

Type of product: Hybrid storage system for NEW photovoltaic systems with LITHIUM battery able to guarantee the complete self-

consumption of the energy generated 100% and to maximize the energy independence of domestic users.
Hybrid storage system for NEW photovoltaic systems with LITHIUM battery
MPPT charging through charge controllers with n.4 independent inputs
Max PV Power 4kWp
PEAK SHAVING function more power available from the electronic counter
ANTI-BLACK OUT function on privileged users AC-OUT 1
Optional external DATA-LOGGER
Pure sine wave DC/AC inverter
Rated power AC 3000VA
Maximum Efficiency 95%
Maximum charging current 60A
Charge regulator efficiency PV 97.2%
Contact for maximum self-consumption
Battery disconnection switch
Battery voltage 48Vdc
LITHIUM batteries: TAWAKI, RESU - LG CHEM
AC overload and short circuit protection
IP20 Container
Easy wiring and installation
Complies with CEI 0-21

You can discover the full range of storage systems on the dedicated section of the site by clicking [HERE](#).

Images and technical data not binding

Technical Sheet

Continuous power single phase (KW)	2.4
Frequency (Hz)	50
Voltage (V)	230
Protection degree	IP20
Length (mm)	395
Width (mm)	940
Height (mm)	250
Weight (Kg)	18