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PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

Storage System Leonardo Off-Grid 3000/48 GE

Reference: 013967

Storage System Leonardo Off-Grid 3000/48 GE

Leonardo Off-Grid 3000/48 GE is a storage system designed and developed specifically for the production and storage of domestic energy; combined with photovoltaic modules and Lithium storage batteries, Leonardo Off-Grid 3000/48 GE provides power to the home until its complete self-sustainability. The Leonardo Off-Grid 3000/48 GE makes it easy and immediate the use of energy produced by photovoltaic modules, for the supply of domestic users, with the help of a generator (back-up) in case of reduced renewable energy. The Leonardo Off-Grid 3000/48 GE system provides four independent MPPT inputs through a dedicated charge regulator: this technology implements a research circuit of maximum power depending on the voltage and current of the PV module, always maximizing the energy supplied. By connecting a generator set to the AC input, the Leonardo Off-Grid 3000/48 GE system guarantees the continuity of operation of the utilities without perceptible discontinuity in case of low battery due to the reduced renewable energy available. In fact, the genset manages simultaneously the power supply of the loads and the charging of the battery bank.

The Leonardo Off-Grid 3000/48 GE is equipped with an AC-OUT alternating current output line and an AC-IN alternating current input line. Since the device is equipped with an earth connection of the NEUTRO - TT system conductor, the AC-OUT AC output line can be protected with an AC-type thermal-magnetic circuit breaker, with rated current In=16A and differential current Id=0.03A (this circuit breaker is usually already present in the distribution board of the house as protection against indirect contacts, with 30mA differential current). The AC-IN alternating current input line can be protected with an AC-type thermal-magnetic circuit breaker, with rated current In=16A and differential current Id=0.3A, this circuit breaker can be inserted in an additional main switchboard or, if possible, in the existing distribution board in the dwelling.

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

Frequency (Hz)	50
Voltage (V)	230
Protection degree	IP20
Length (mm)	395
Width (mm)	940
Height (mm)	250
Battery voltage (V)	48

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Weight (Kg)	25
Output power (VA)	3000
Transfer time Inverter Bypass (ms)	10
Overload threshold	85%
Efficiency	95
Self-consumption on stand-by	16 W
Switching threshold Inverter Mode / Bypass Mode (V)	46
Switching Threshold Bypass Mode/ Inverter Mode (V)	54.4
Internal over-temperature alarm	65%
Operating temperature range (°C)	40°