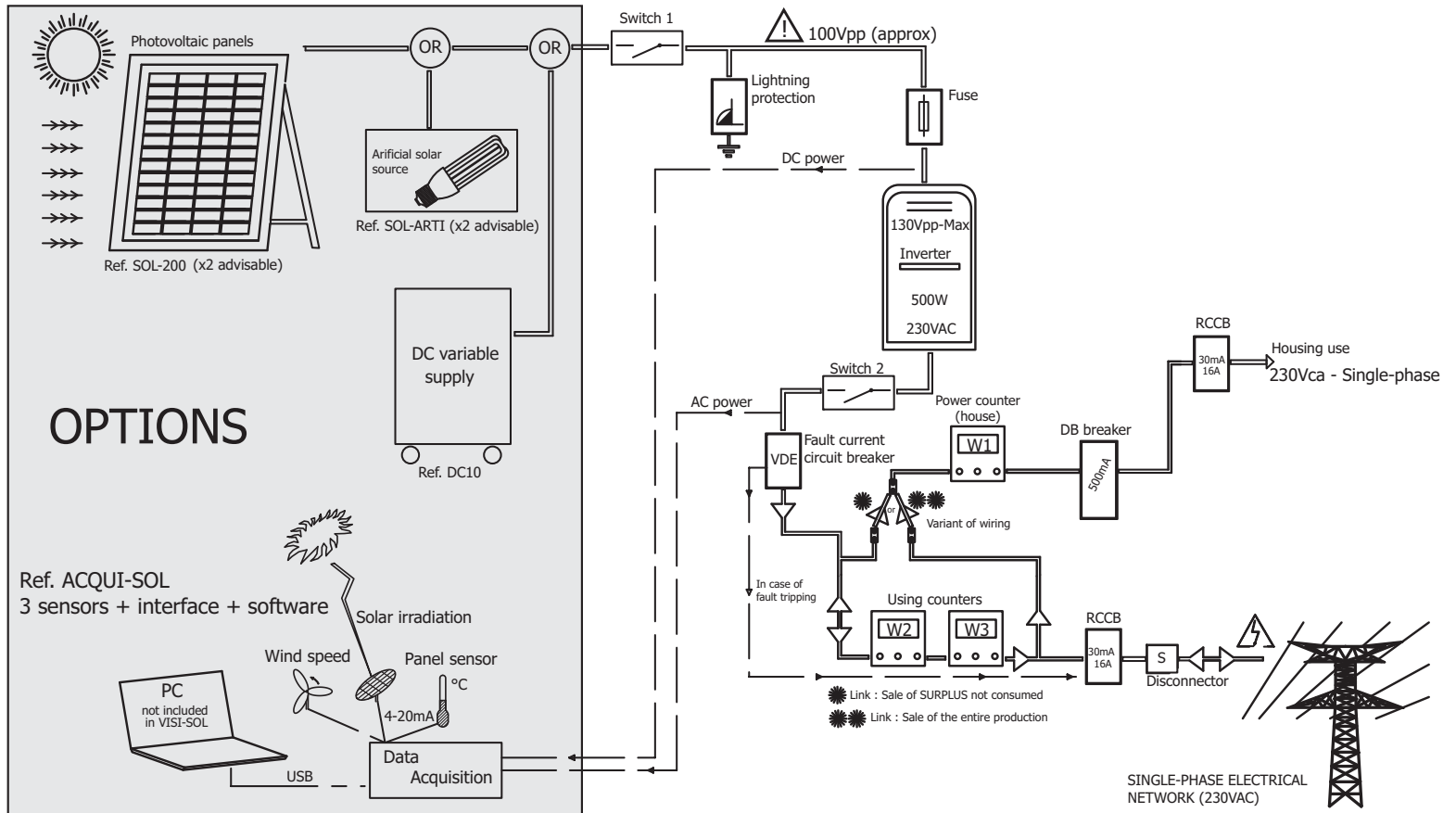


Photovoltaic kit for energy injection



ref. KX-EDU

Kit of photovoltaic components for studying a solar installation with total or partial energy injection to the electricity network 230VAC-50Hz.

The kit comprises

- 2 photovoltaic switches 0/1 – 32A/500VDC – 3-pole.
- 1 lightning arrester 500VDC
- 1 photovoltaic fuse holder 1000VMax. 2-pole. 10x38mm
- 4 photovoltaic fuse cartridges gPV 1000V. 10x38mm
- 1 network inverter 500W. Automatic synchronization on the network 230VAC-50Hz. Input voltage from 65 to 130VDC. Thermal protection integral to the box. 1 residual current circuit-breaker 30mA-10A two-pole.
- 3 single-phase modular energy meters 63A. Gauges key kWh/kW/Partial. Reset key. Resolution 0.1kW
- 1 two-pole Photovoltaic circuit-breaker with EMS default current in compliance with Standard VDE0126. Gauge 16A-30mA. Use voltage from 196 to 250VAC
- 1 Main switch 25A – 5.5kW/400V.
- 2 residual current circuit-breakers 30mA/16A two-pole.
- 1 two-pole connection circuit-breaker 500mA, 230 V CA, 15/30/45 A
- 1 plug 2P+E male.
- 1 set of 10mm² connection terminals
- 1 set of photovoltaic connectors 4-6mm²
- 1 sheet of 10 photovoltaic labels showing different safety operations
- 1 file on CD: detailed instructions for each component, cabling diagram and practical assignments.
- Works with photovoltaic panels with voltage between 35 and 150VDC

OPTIONS

- Ref. SOL-200** (2 panels recommended) Photovoltaic panel 200W on tilting foot with device for measuring the tilt angle (description P.136)
- Ref. SOL-CAB30** Connection cable for photovoltaic panels 30m 3G6mm² (description P.136)
- Ref. EOLYS-500** 400W Wind turbine (description P.144).
- Ref. ACQUI-SOL** Interface with 3 sensors and acquisition software to read the installation's electrical characteristics. (description P.127).
- Ref. DC10** Power supply DC 0 - 220 volts - 10A protected. Simulates the panels. (description P.137).
- Ref. SOL-ARTI** Source of artificial sunlight. (description P.134).
- Ref. HABITAT-2** Load panel for use on site with electricity network. (description P.125)