



Specifications
1 KVA

Rated Power 1 KVA / 1 KW Monophase

AC Input

Voltage	230 VAC
Selectable Voltage Range	170 ÷ 280 VAC
Frequency Range	50 hz
Protection	VDR + Thermal Breaker

Output

AC Voltage regulation (Batt. Mode)	230 VAC ± 5%
AC Voltage regulation Emergency Mode	230 ± 10%
Efficiency Peak	90 ÷ 93 %
Transfer Time	< 10 ms
Waveform	Pure Sinewave
Protection	Electronic limiting

Battery Pack

Cell type Li(NiCoMn)O2	1 KWh
Battery Voltage	28,8 VDC
Battery Protection	Built-in Battery Management System + Fuse

Operating Environment

Humidity	5 - 95% Relative Humidity not condensed
Operating temperature	-10° C to 55° C

Solar Input

Solar converter	MPPT
Max . PV Array Open Circuit Voltage	60 VDC
Min. PV Voltage	34 VDC
PV Voltage Accuracy	± 2 V

Charger

System Voltage	28,8 VDC
Solar Maximum charge current	50 A
AC charge current	30 A
DC Voltage Accuracy	± 0.3 %
Over Temperature Protection	YES
Overload , DC Short-circuit Protection	YES
Prevent reserve current	YES

Inverter

Output Voltage Waweform	Pure Sine Wave
Output Frequency	50 Hz
Peak Efficiency	90%
Overload Protection	5s Load > 150% , 10s Load 110% - 150%
Surge Capacity	2 x rated power for 5 sec
Nominal Dc Voltage	28,8 VDC
Cold Start Voltage	24 VDC

Interface

Dry Contacts	Remote ON / OFF Fuel Generator
Communication	USB Port
Display	Multimeter
Leds	AC present - Inverter on - Charging - Fault

Standards

Conduction / Radiation	IEC/EN 62040-2 Category C3
Safety	IEC62040-1-1
Certification	CE - SONCAP - UL