



Specifications
2 KVA

Rated Power	2 KVA / 2 KW Monophase
AC Input	
Voltage	230 VAC
Selectable Voltage Range	170 ÷ 280 VAC
Frequency	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	2 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 Waveform	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
Line Mode (By Pass Mode)	
Input Waveform	Sinewave (Generator)
Low Loss Voltage	170 Vac ± 7 Vac
Low Loss Return Voltage	180 Vac ± 7 Vac
High Loss Voltage	280 Vac ± 7 Vac
High Loss Return Voltage	270 Vac ± 7 Vac
Max AC Input Voltage	300 Vac
Nominal Input Frequency	50 Hz / 60 Hz (Auto detection, 55 Hz as boundary)
Low Loss Frequency	40 ± 1 Hz
Low Loss Return Frequency	42 ± 1 Hz
High Loss Frequency	65 ± 1 Hz
High Loss Return Frequency	63 ± 1 Hz
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

**Products specifications
are subject to change
without further notice*