



Specifications  
15 KVA

<b>Rated Power</b>	<b>15 KVA 15 KW</b> Threephase*
<b>AC Input</b>	
Voltage	230 VAC L1 N L2 N L3 N 400 VAC 3PH + N
Selectable Voltage Range	170 ÷ 280 VAC L-N (300 ÷ 480 VAC)
Maximum Input Current	3 X 40 A
Frequency	50 Hz
Protection	VDR + Automatic Breaker
<b>Output</b>	
AC Voltage regulation (Batt. Mode)	230 VAC L1 N L2 N L3 N < 3% 400 VAC 3PH + N
Efficiency Peak	93%
Transfer Time	<b>Zero Transfer Time</b>
Waveform	Pure Sinewave
Protection	Electronic limiting + Automatic Breaker
<b>Battery Pack</b>	
Cell type Li(NiCoMn)O2	15.0120Wh
Battery Voltage	50,4 VDC
Battery Protection	Built-in Battery Management System + Fuse
<b>Operating Environment</b>	
Humidity	5 - 95% Relative Humidity not condensed
Operating temperature	-10° C to 55° C
<b>Solar Input</b>	
Solar charger type	3 X MPPT
Max . PV Array Open Circuit Voltage	145 VDC
PV Array Voltage High Loss	145 VDC
PV Array Voltage High Comeback	145 VDC
PV Array Voltage Low Loss	Battery Voltage + 1V
PV Array Voltage Low Back	Battery Voltage + 2V
PV Array MPPT Voltage Range	60 ~ 115 VDC
Min. PV Voltage	34 VDC
PV Voltage Accuracy	± 2 V
<b>Wind Turbine Controller</b>	
Rated Power	2 x 2000 W
Wind dumpload rotate speed	500 R
Wind pole logarithm (Pole)	Adjustable
Wind dumpload voltage (Vmax)	60 V
Dump load control mode	Over rotate speed limiting - Over voltage limiting - Over current limiting - PWM
<b>Charger</b>	
System Voltage	50,4 VDC
Wind / Solar Maximum charge current	300 A
AC charge current	60 A - 180 A Selectable
DC Voltage Accuracy	± 0.1 %
Over Temperature Protection	YES
Overload , DC Short-circuit Protection	YES
Prevent reserve current	YES
<b>Inverter</b>	
Inverter Type	<b>Double Conversion Zero time transfer</b>
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	50,5 VDC
Cold Start Voltage	46.0 VDC
Energy Meter	Output : Voltage - Current --Power - Power Factor - Annual and Daily Energy consumption - Temperature
<b>Interface</b>	
Dry Contacts	Remote ON / OFF Fuel Generator
Display	13" Touch screen monitor
Mouse	Optical -Wireless
Keyboard	On screen
Internet connection	Internal Wi Fi system
Dimensions	1006 X 502 X 900 cm 220 Kg
<b>Standards</b>	
Conduction / Radiation	IEC/EN 62040-2 Category C3
Safety	IEC62040-1-1
Certification	CE - SONCAP

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(Monophase version possible on demand)

\*Products specifications are subject to change without further notice