



SINUS EVO UPS RIGHT SOLUTION

- Online "Double Conversion" Technology
- 1 Phase Input - 1 Phase Output
- 1kVA - 3kVA



P.F: 0.9

High Output Power Factor (0,9)

LCD

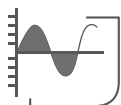
User friendly LCD display



High Efficiency



Wide Input Voltage & Frequency Range



On-line 'double conversion' technology



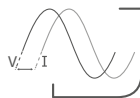
Smart Battery Management System

50Hz~60Hz

50/60Hz Frequency Converter
Operation Mode



Environment Friendly



Input Power Factor correction PFC (>0,99)



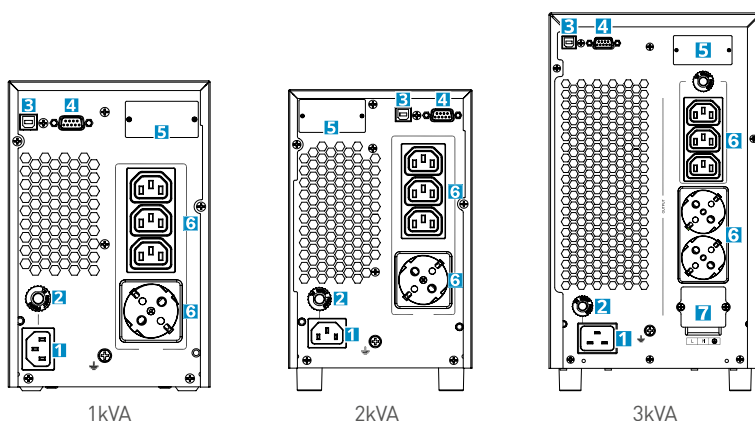
Wide communication option
Standard: RS-232 and USB
Optional: SNMP, Dry contact board, Modbus, EPO



ECO Mode operation feature

SINUS EVO Series Specifications

MODEL	Sinus EVO 1kVA	Sinus EVO 2kVA	Sinus EVO 3kVA
Output Power Factor	0.9		
INPUT			
Input Voltage Range	120- 300VAC		
Input Frequency Range	40Hz ~ 70 Hz		
Phase	1PH - N - PE		
Power Factor	≥ 0.99 @ nominal input voltage		
OUTPUT			
Output Voltage	110/115/120/127VAC or 208/220/230/240VAC		
Voltage Regulation	±2% (Online Mode), ±1% (Battery Mode)		
Frequency	47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)		
Frequency (@Battery Mode)	50 Hz ± 0.5% or 60Hz ± 0.5%		
Overload	105%~110%: 10 minute ,110%~130%: 1 minute, >130%: 3 second		
Crest Factor	03:01		
THDv	≤ 3 % THD (linear load); ≤ 6 % THD (non-linear load)		
Transfer Time	Online Mode - Battery Mode	0	
	Inverter - Bypass	4 ms (typical)	
Battery Mode Waveform	Pure Sinus		
Outputs	3xIEC Type + 1xSchuko	3xIEC Type + 2xSchuko	
Eco Mode	Present		
Frequency Converter	Present		
EFFICIENCY			
Online Mode	90%		
Battery Mode	88%		
BATTERY			
Battery Type	12 V / Maintenance-free lead acid batteries		
QTY	2 x 7Ah	4 x 9Ah	6 x 9Ah
Charge Time	4 hour 90% capacity (typical)		
Charge Current	1.0 A (max.)		
Automatic Battery Test	Present (@ start-up, 1/per week)		
External Battery	Optional, with battery connector		
Charge Voltage	27.4 VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
PHYSICAL			
Dimensions W x D x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318
Weight (kg)	9,8	17	27,6
LCD Display (mm)	55x27.5		
ENVIRONMENTAL			
Temperature	0- 40°C (20 to 25 recommended for longer battery life time)		
Humidity	95 % RH (non-condensing)		
Noise Level (1m distance)	<50dBA		
COMMUNICATION			
Standard	Smart RS-232 and USB (Software)		
Optional	SNMP, Dry Contact, Modbus, EPO		



1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. SNMP intelligent slot (option)
6. Output receptacles
7. Output terminal