

SIRIUS 1000
SIRIUS 2000
SIRIUS 3000



TECHNICAL SPECIFICATION

MODEL		SIRIUS1000	SIRIUS2000	SIRIUS3000
TECHNOLOGY		On-line Double Conversion		
CAPACITY*		1kVA/1kW	2kVA/2kW	3kVA/3kW
INPUT				
Voltage Range	Low Line Transfer	80/70/60/55 Vac ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	87/77/67/62 Vac ± 5 %		
	High Line Transfer	150 Vac ± 5 %		
	High Line Comeback	145 Vac ± 5 %		
Frequency Range		40Hz ~ 70 Hz		
Phase		Single phase with ground		
Power Factor		≥ 0.99 @ full load		
THDi		≤ 5% @ 100~130Vac THDU < 1.6% @ input and full linear load condition		
OUTPUT				
Output voltage		100/110/115/120/127 Vac		
AC Voltage Regulation		± 1% (Batt. Mode)		
Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz		
Frequency Range		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Batt. Mode)		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 2 % THD (Linear Load) ; 4 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	< 4 ms		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		≥89% @ full charged battery	≥91% @ full charged battery	
ECO Mode		≥96% @ full charged battery		
Battery Mode		≥ 88%	≥ 90%	
BATTERY				
Battery Type		12V/9Ah	12V/9Ah	12V/9Ah
Numbers		2	4	6
Recharge Time		3 hours recover to 95% capacity for internal battery@ 2A charging current		
Charging Current		Default: 2A, Max: 8A adjustable		
Charging Voltage		27.4 Vdc ± 1%	54.7 Vdc ± 1%	82.1 Vdc ±1%
PHYSICAL				
Dimension, D X W X H (mm)		410 x 438 x 88	510 x 438 x 88	630 x 438 x 88
Net Weight (kgs)	With battery	11.6	19.5	27.5
	Without battery	6.6	9.4	12.4
Installation Type		Vertical / Horizontal / Rack		
Support Type		Feet (vertical) / Base (horizontal) / Railkit (rack)		
ENVIRONMENT				
Operation Humidity		20-95 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter (With fan speed control)		
MANAGEMENT				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

* Derate capacity to 80% of capacity when the output voltage is adjusted to 100Vac, 200Vac or 208Vac. For 100/110/115/120/127Vac system, the output power ratings are different based on different input voltage. Please check output power rating table for the details. Product specifications are subject to change without further notice.



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