Siera Electronics

Online UPS

1KVA -10KVA

Siera manufactures reliable and affordable solutions in electronic security, CCTV, Access Control, Intercom and Professional Audio.

Featured specifications

· Really achieve online double conversion
· The micro processor control technoloy ensures the high performance
· Input power factor correction
· Output power factor of 0.9
· Wide input voltage (110 V to 300 V)
· Efficient variable frequency conversion mode u ECO mode (1-3 K only)
· Compatible with the generator input
· The optional exquisite SNMP card can perfectly monitor and control through the display alone or together with USB and RS232, and comprehensively display and monitor the UPS status
. Plugs and sockets compliant with the NBR 14136 standard

Model	UPS1000/8O	UPS2000/16O	UPS3000/24O	UPS8000/48O	UPS10000/80O
Phase	Single hand to hand				
Capacity	1000VA /800W	2000VA /1600W	3000VA / 2400W	6000VA /4800W	10000 VA / 8000 W
INPUT					
Nominal Voltage	200/208/220/230/240VAC			208/220/230/240VAC	
Imput Voltage Range	110 -300VAC or 50% load ; 160 -280VAC or 100% load			110 -300VAC or 50% load ; 176-300VAC or 100% load	
Frequency Range	40 Hz ~ 70 Hz			46~54 Hz or 56~64 Hz	
Power Factor	100% load ≥ 0.99				
OUTPUT					
Output Voltage	110VAC - 200/208/220/230/240VAC			110VAC - 208/220/230/240VAC	
Voltage Regulation	± 1 %				
Frequency Range (synchronou srange)	47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz or 60Hz ± 0.1 Hz	
Current Crest Ratio	3:1				
Harmonic Distortion	≤ 3 % THD (Linear Load)			≤ 3 % THD (Linear Load)	
Transfer Time:					
AC. Mode to battery mode	Zero				
Inverse to bypass	4 ms (Typical)			Zero	
Waveform (battery mode)	pure sinewave				
EFFICIENCY					
AC model	88%	89%	90%	92%	93%
Battery mode	83%	87%	88%	90%	91%
BATTERY					
Standard machine:					
Battery type	12V/9AH/7AH				
Numbers	2	4	6	16	16
Charging current(max)	1A			1A / 2A	
Charging Voltage	27.4 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%	218.4 VDC ± 1%	218.4 VDC ± 1%

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Long-run model:	UPS1000/8O	UPS2000/16O	UPS3000/24O	UPS8000/48O	UPS10000/80O
Battery type					
Numbers	Depending on the capacity of external batteries				
Charging current(max)	3	6	8	16 ~ 20 (Adjustable)	
	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable 6A is only available	
Charging Voltage				for 16 pcs batteries	
	41.0VDC ± 1%	82.1VDC ± 1%	109.4VDC ± 1%	218.4VDC±1% 273VDC ± 1%	218.4VDC ± 1% 273VDC ± 1%
INDICATORS					
LCD					
	Load size, Battery capacity, AC mode, Battery mode, Bypass mode, and Fault indication				
ALARM					
Battery mode					
Low Battery	Sounding every 4 seconds				
Overload	Sounding every second				
Fault	Sounding every 0.5 seconds				
	Continuously sounding				
PHYSICAL					
Standard model					
D x W x H (mm)					
Net Weight (Kg)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688
	8,7	15,7	24,6	61	66
Long-run model					
D x W x H (mm)					
Net Weight (Kg)	282 x 145 x 220	397 x 145 x 220	397 x 145 x 220	369 x 190 x 688	442 x 190 x 688
	4,1	6,9	7,4	12	16
ENVIRONMENT					
Humidity					
Noise Level	20-95% RH@ 0-40°C (Non- condensation)			0-95% RH@ 0-40° C (Non- condensation)	
	Less than 50 dBA @ 1m			Less than 55 dBA @1m	Less than 58 dBA @ 1 m
MANAGEMENT					
Smart RS-232 /USB					
Optional SNMP	Windows ®2000/2003/XP/Vista/2008, Windows®7/8, Unix and MAC				
	Power management from SNMP manager and web browser				

*When 1-3KVA UPS is set to constant voltage and constant frequency mode, the output power will drop by 20%, and when the output voltage of the UPS is set to 208VAC, the output power will drop by 20%.
When 6 / 10KVA UPS is set to constant voltage and constant frequency mode, the output power drops by 40%, and when the output voltage of the UPS is set to 208VAC, the output power amount drops by 10%.* * When the number of internal batteries e machine will derate the output according to the following formula: P =Prating X (N / 20 x 100%).
***If the machine is installed above 1000 meters, every 100M increases.