



Online HF UPS SI900 II series 1KVA ~ 10KVA is SILICON new generation UPS, we adopt the latest R & D achievements and application experience. With advanced DSP digital control technology, it improves performance & system reliability effectively, and achieves higher level of power density and miniaturization. Besides that, to meet all customer's individualized needs, as a high-end small power range online UPS, SI900 II can offer highly reliable power for departmental servers, small local area networks, workstations, industrial machines, small medical equipment, and other small precision electronic devices

Online UPS

SI900 II

1KVA~10KVA



Ideal applications

Centralized server center, mainframe,
network control center, computing
center

Perfect protection

- The UPS contain I/P and O/P over-protection, short voltage protection, overload protection, short-circuit protection, inverter over-heat protection, battery low voltage warning protection and battery overcharge protection, etc. Which is the above greatly ensure the stability and reliability of running the system.
- With bypass function, when the output overload or UPS failure, can turn to bypass without interruption, and supply power to load by mains supply, accordingly provide alarm information.
- With input L and N lines detective function, can prevent the danger caused by the inversion of L and N lines.

Cold start and mains power start function.

- For emergency status, UPS can start with battery directly when the mains power anomalies.
- UPS can start directly without battery; can be used for high precision stabilizer

Applied with generator

- Wide range of input voltage and frequency, that can effectively isolate the adverse power from generator, can provide clean, safe and stable power supply the load.

Intelligent Battery Management

- It adopts intelligent management technology to charge by three steps, to effectively extend battery life and reduce the number of battery maintenance
The battery can be self-testing to find battery problem timely.
- With battery voltage, overcharge protection, etc., to maximize the protection of the battery is not damaged;

Adopt DSP digital control technology

- Adopt advanced DSP digital control technology, it improves performance & system reliability effectively, and achieves higher level of power density and miniaturization.
- Besides that, it can meet all customers's individualized needs, SI900 II Series 1 ~ 10KVA provide very rich extensible function, users can configure the need flexibly

Output power factor 0.8

- PF 0.8 is more suitable for the trend of electrical equipment, and can take more load. With new ECO (Economic) function, system efficiency can achieve 94%, it lower UPS power consumption and save user's cost.

Input PFC

- Adopt digital control input PFC technology, Input Power Factor can be more than 0.98, it avoids pollution to power grid, saves energy, and also reduces cost

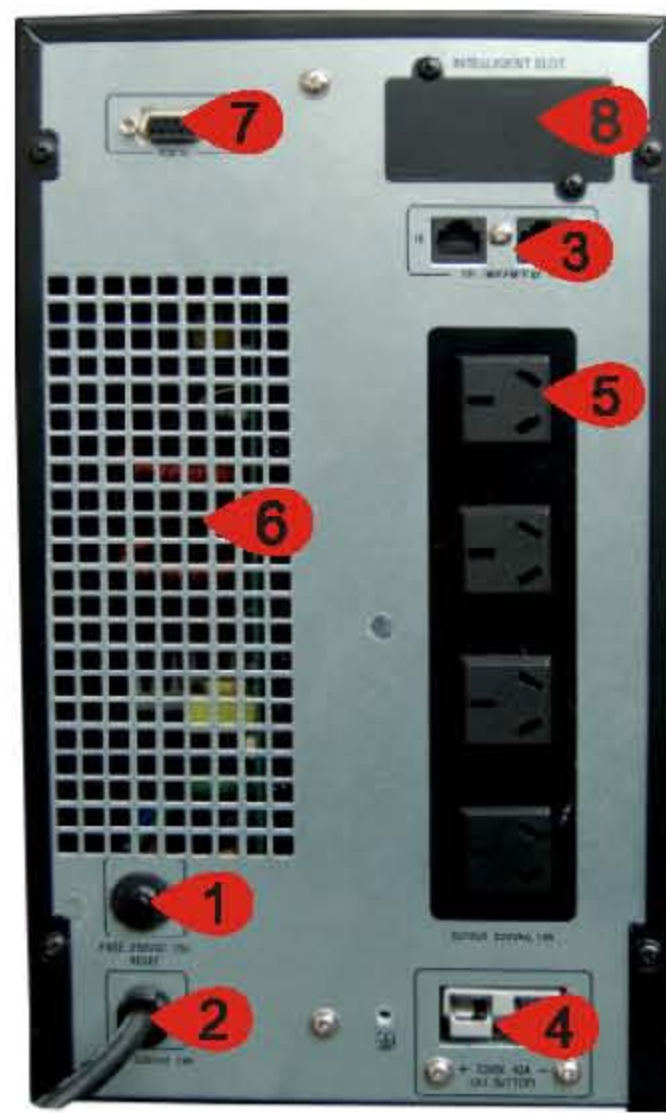
Digital Control at DC-DC Converter

- SI900 II 1~3KVA UPS adopt digital control, use Digital Control at DC-DC converter part instead of Analog Control in the past, and it is more reliable.

Wide input voltage range

- Extremely wide input voltage and frequency range, even in very poor power environment of the remote areas can normally supply the power. It reduced the frequency of battery discharge so that the battery life can be prolonged.

◆ Rear Panel



- | | |
|--------------------------|----------------------------|
| 1 Overcurrent Protection | 5 Outlet |
| 2 AC Input | 6 FAN |
| 3 Modem/Tel/Fax | 7 RS232 |
| 4 DC Input | 8 SNMP/USB/AS400(Optional) |



Specifications

Model	SI901 II	SI902 II	SI903 II	SI906 II	SI9010 II
Capacity	1KVA	2KVA	3KVA	6KVA	10KVA
INPUT					
Rated input voltage	220V				
Rated input frequency	50Hz/60Hz (self-adaption)				
Input voltage Range	110 ~ 300 VAC (Half load); 140 ~ 300VAC (Full load)				
Input frequency Range	45~55Hz +/-0.5% 50Hz; 55~65Hz +/-0.5% 60Hz				
Phase	single phase+N+GND				
Power factor	≥0.98		≥0.99		
Input current (liner full load)	4.0A	8.1A	12.1A	24.2A	40.4A
THD	< 6%		< 5%		
ByPass voltage range	186VAC~252VAC				
OUTPUT					
Rated voltage	208VAC/220VAC/230VAC/240VAC can be set on LCD				
Power factor	0.8				
Voltage distortion	± 1%				
DC component voltage	≤200mv				
Output current crest factor	3:1				
Rated frequency					
AC mode	same as input frequency				
Battery mode	50/60 ± 0.2Hz				
Phase lock speed	≤1Hz/s				
Wave distortion	100% linear load <3%; 100%; nonlinear load <5%				
Transfer time					
From Mains mode to battery mode	0ms				
From battery mode to Mains mode	0ms				
From Mains mode to bypass mode	< 4ms		< 0ms		
From bypass mode to Mains mode	< 4ms		< 0ms		
From normal mode to ECO mode	< 10ms		< 10ms		
System Efficiency	Full load	≥90%		≥92%	
	ECO mode	≥94%			
Inverter overload capacity	105% ~ 150% 30s transfer to bypass mode giving alarm; > 150% 300ms transfer to bypass mode giving alarm;			105% ~ 130% 10min transfer to bypass mode giving alarm; 130% ~ 150% 1min transfer to bypass mode giving alarm;	
Battery					
Battery type	Lead Acid maintenance free battery				
DC voltage	24V DC	48V DC	72V DC	168V DC	168V DC
Inbuilt battery	9AH/12V	9AH/12V	9AH/12V	9AH/12V	9AH/12V
Battery quantity	2	4	6	14	14
Charge					
Output voltage	27.5 ± 0.4V	55 ± 0.6V	82.5 ± 0.9V	193.7 ± 0.9V	193.7 ± 0.9V
Charge method	Three-stage charging				
Recharge time	90% capacity after 5hrs charging (standard model); According to battery capacity(long time model)				
Input voltage range	80VAC~300VAC				
Charge current	Standard model:1A; Long time model: 6A(can extend to 12A)				
Protection	Over-temp protection; Fan testing protection ; AC L and N connect wrong protection; Output short circuit protection				
Control	Silence; cold start; AC restart; Auto restart.				
Communication	RS232, SNMP card , USB				
Display	Software function; Statue analyze: Switch on/off UPS system, Monitor UPS working state ,store history				
LCD/LED					
System Operating Environment					
Operating environment	Operation tem.	0 ~ 40℃			
	Store tem.	-25℃ ~ 55℃			
	Humidity	20 ~ 90% (non-condensing)			
	Altitude	0m < altitude < 1500m, over 1500m, used with power derated			
Noise	< 50db		< 55db		
UPS Dimension (W*D*H) mm	357x144x215	439x190x341		514x262x455(Long time mode) 514x262x710(Standard model)	
Packing Dimension (W*D*H) mm	(Long time mode)	440x225x310	550x320x462		650x360x540
	(Standard model)	445x230x315			650x360x795
Net/Gross Weight (Kg)	(Long time mode)	6.0/7.0	12.0/13.3	12.5/13.8	42.0/44.3
	(Standard model)	10.0/11.1	20.0/21.3	24.0/25.3	75.0/77.3

- ◆ All specifications subject to change without notice.
◆ Custom-made specifications are acceptable.