

Samurai Online Tower 6 - 10 kVA



Application



The best quality/price ratio



Control panel

The comprehensive graphic display provides easy read-out status of the UPS, such as input and output voltage, load level, battery level...

Monitoring Software Included



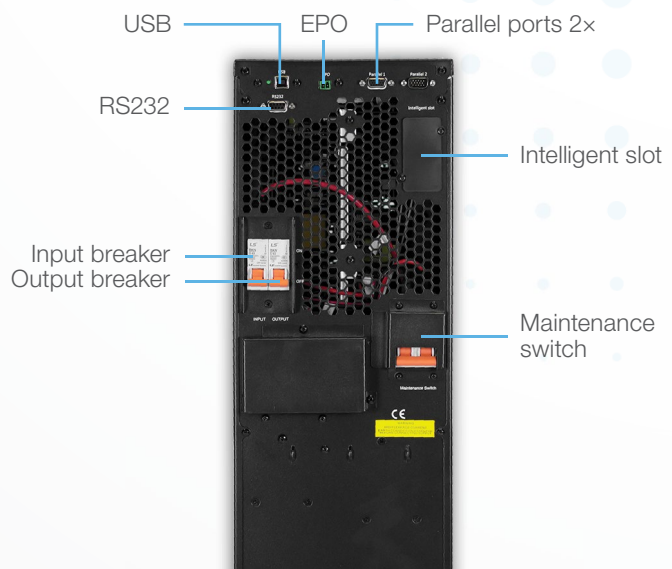
It offers real-time power and UPS status monitoring with automatic scheduled shut-down and many other advanced power management functions.

Specifications

- N+X parallel redundancy
- Power: 6k and 10kVA
- Input current harmonic: < 3%
- High output power factor 1.0
- Wide input voltage range
- Wide input frequency range
- On-line "double conversion" technology
- DSP (digital signal processor) technology
- Internal static and manual bypass
- Battery (DC) cold start and backup time indicated on LCD
- Support generator input
- Support economic (ECO) operation mode
- Intelligent management through RS232 & USB
- For extended backup time with L = long run unit series (with external batteries)
- EPO contact (Emergency Power Off)

OPTIONS

- SNMP card
- Relay card, dry card
- Parallel card
- External bypass
- External battery cabinet



Samurai Power Online Tower	Model	
	6000	10000
Power	6 kVA / 6 kW	
Input		
Nominal voltage	220 / 230 / 240 V AC	
Operating voltage range	120 ~ 276 V AC	
Operating frequency range	50 Hz: 45 ~ 55 Hz; 60 Hz: 54 ~ 66 Hz (auto sensing)	
Power factor	≥ 0.99	
Bypass voltage range	Max voltage: 220 V: + 25% (optional + 10%, + 15%, + 20%) Bypass voltage range: 230 V: + 20% (optional + 10%, + 15%) 240 V: + 15% (optional + 10%) Min. voltage: - 45% (optional - 20%, - 30%)	
Bypass frequency range	Frequency protection range: ± 10%	
ECO range	Same as the bypass	
Harmonic distortion (THDi)	< 3% (100% at linear load)	
Generator input	Support	
Output		
Rated voltage	220 / 230 / 240 V AC	
Power factor	1.0	
Voltage regulation	± 1%	
Frequency	Line mode	± 1% / ± 2% / ± 4% / ± 5% / ± 10% of the rated frequency (optional)
	Bat. mode	50 / 60 (± 0.1) Hz
Crest factor	3 : 1	
Harmonic distortion (THDv)	≤ 2% with linear load ≤ 5% with non-linear load	
Efficiency	> 93%	
Battery		
Voltage	± 96 / 108 / 120 V DC (Settable)	
Capacity (standard unit)	12V/7Ah or 12V/9Ah	
Typical recharging time	6 ~ 8 hours (to 90% of full capacity)	
Charging current	1 A	
System features		
Transfer time	Mains to Battery: 0 ms; mains to bypass: 0 ms	
Overload	Line Mode	Load ≤ 100%: last 10 min, ≤ 130%: last 1 min, > 130% turn to bypass mode immediately
	Bypass Mode	63 A (breaker) 80 A (breaker)
Short circuit	Hold whole system	
Overheat	Line mode: turn to bypass; bat. mode: shut down UPS immediately	
Battery low	Alarm and switch off	
Self-diagnostics	Upon power on and software control	
Battery	Advanced battery management	
Audible & Visual alarms	Line failure, battery low, overload, system fault	
LED & LCD display	Line mode, bat. mode, eco mode, bypass mode, battery under voltage, overload & UPS fault	
LCD display	Input voltage, input frequency, output voltage, output frequency, load percentage, battery voltage, inner temperature & remaining battery backup time	
Communication interface	RS232, USB, SNMP card (optional), parallel card (optional), relay card (optional)	
Environmental		
Operating temperature	0 °C ~ 40 °C	
Storage temperature	-25 °C ~ 55 °C	
Humidity range	0 ~ 95% (non-condensing)	
Altitude	< 1500 m	
Noise level	< 55 dB	
Physical		
Dimension W × D × H (mm)	191 × 460 × 660	
Net weight (kg)	65	69
Standards		
Safety	IEC / EN62040-1, EN60950-1	
EMC	IEC / EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC6100-4-8	