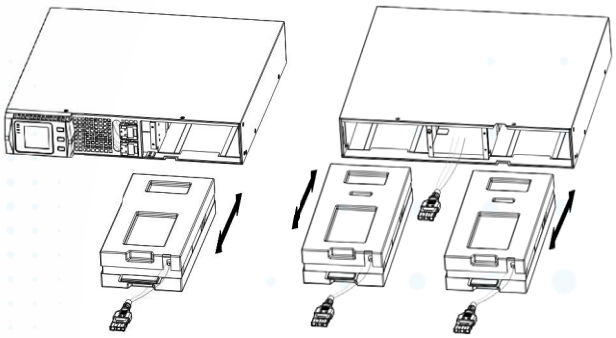
Samurai Power

Samurai Online Rack/Tower 1 - 3 kVA

Application

DATACENTER ALARM INDUSTRY

Easy for maintenance, hot-swappable battery



The Samurai Online Rack/Tower series is designed for IT applications like datacenters, server rooms, communication system and security equipment.

The multifunction graphical LCD display is convertible for Rack and Tower use. It shows input, output, battery and user helpful parameters.

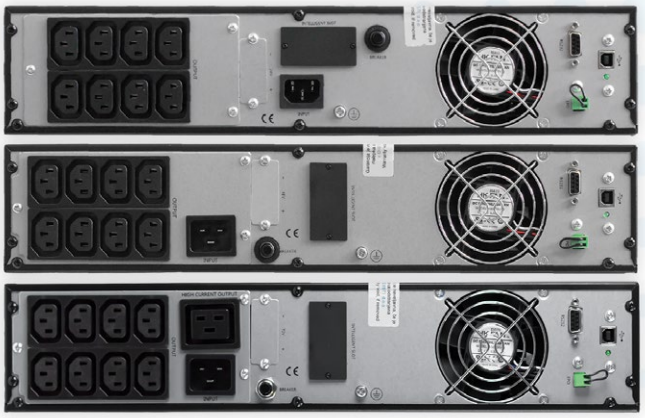
The UPS is equipped with an internal hot-swappable battery compartment to ensure very easy and fast maintenance.

Specifications

- On-line “double conversion” technology
- Power: 1k, 2k and 3kVA
- DSP (digital signal processor) technology
- Internal static and manual bypass
- Very wide input voltage range
- Hot-swappable batteries
- Battery backup time indicated on LCD
- Operation on ECO mode
- Frequency converter mode 50/60 Hz
- Convertible design for Rack or Tower
- 2 output segments for load shedding
- RS232, USB, Smart slot, RJ45
- Battery (DC) cold start
- Software and USB cable included
- High efficiency up to 92% in normal mode
- Input power factor up to 0.99 and high output power factor 1.0
- Backfeed protection
- ECO-mode for energy saving
- For extended backup time
  L = long run unit series (with external batteries)
- EPO contact (Emergency Power Off)

OPTIONS

- SNMP adapter
- Relay card (dry contacts)
- External maintenance bypass
- Additional/external battery packs
- Optional 8 x IEC or 2x Schuko outputs



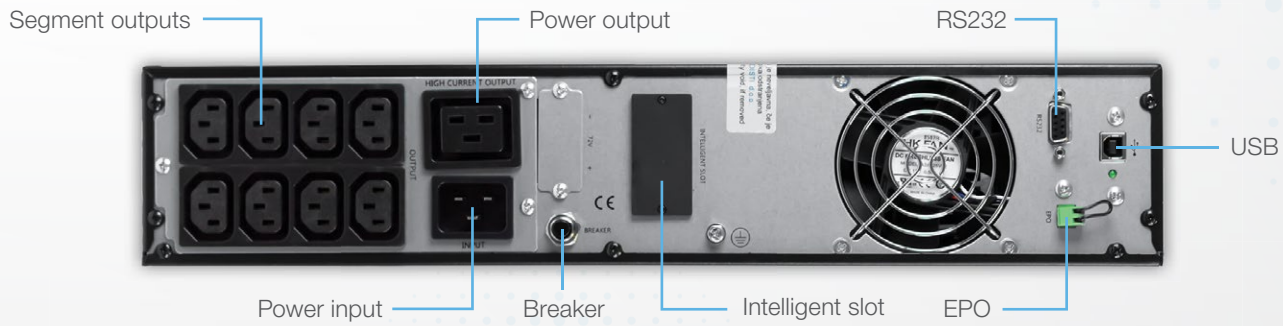
1000 VA

2000 VA

3000 VA

OPTIONAL: Schuko outputs

3000 VA Rack/Tower



Samurai Power Online Rack/Tower	Model		
	1000	2000	3000
Power	1000 VA / 1000 W	2000 VA / 2000 W	3000 VA / 3000 W
Input			
Voltage range	110 ~ 300 V AC		
Frequency range	40 Hz - 70 Hz (auto detect)		
Phase	Single phase and ground		
Power factor	≥0.99		
Rated voltage	200 / 208 / 220 / 230 / 240 V AC		
Generator input	Support		
Output			
Rated voltage	200 / 208 / 220 / 230 / 240 V AC		
Power factor	1.0		
Voltage regulation	±1%		
Frequency	Utility mode: 47 ~ 53 Hz (for 50 Hz) or 57 ~ 63 Hz (for 60Hz); Battery mode: 50 / 60 Hz ± 0.01 Hz		
Waveform	Pure sinewave		
Efficiency	> 88%	> 92%	> 92%
Crest factor	3 : 1		
THDv	≤ 3% with linear load; ≤ 6% with non linear load		
Battery			
Voltage	24 V DC	48 V DC	72 V DC
Quantity	2	4	6
Capacity (standard unit)	12 V / 9 AH		
Backup	Long run unit depends on the capacity of external batteries		
Recharge time to 90%	4 hours		
Charging current	2 A		
Transfer time			
Overload (AC mode, Bat. mode)	**Ambient Temp. < 35 ˚C** 105% ~ 110%: UPS transfer to bypass after 10 min when the utility is normal 110% ~ 130%: UPS transfer to bypass after 1min when the utility is normal 130% ~ 150%: UPS transfer to bypass after 5 s when the utility is normal > 150%: UPS transfer to bypass immediately when the utility is normal **35 ˚C < Ambient Temp.<40 Ambient Temp. < 40 ˚C** 105% ~ 110%: UPS transfer to bypass after 1 min when the utility is normal 110% ~ 130%: UPS transfer to bypass after 5 s when the utility is normal >130%: UPS transfer to bypass immediately when the utility is normal		
Overload (Bypass mode)	10 A (Input breaker)	16 A (Input breaker)	20 A (Input breaker)
Dimensions			
Weight (kg)	11.3	19.1	26.2
W × D × H (mm)	440 × 305 × 86.5 (2U)	440 × 460 × 86.5 (2U)	440 × 600× 86.5 (2U)
Environment			
Operating temperature	0 ˚C ~ 40 ˚C		
Storage temperature	-25 ˚C ~ +55 ˚C		
Safety conformance			
Safety conformance	IEC/EN62040-1-1, IEC/EN62040-2		