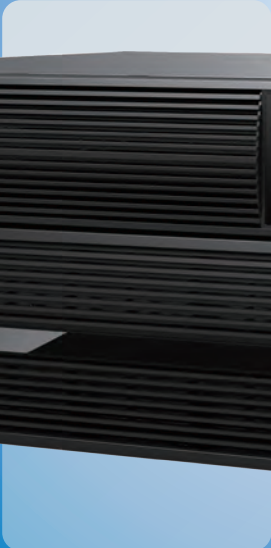


SANTAK® CASTLE SERIES ON-LINE UPS

CASTLE UPS

RACK 6-10kVA

Power Management Expert



 **SANTAK**

Crucial moment, Powering your business

Santak UPS provide reliable protection for critical equipment and data

- Higher power density, more power output
- Wider input range, higher efficiency
- Ultra low noise, multiple configurable options
- High quality LCD with wide view



Product Introduction

RACK 6-10K(S) UPS is a new generation smart UPS that can perfectly fit with the advanced modern IT equipment, specifically designed to efficiently address the high quality power needs for IT equipment, network communication and other applications. CASTLE RACK 6-10K(S) product provides high adaptability and flexible configuration, and it is applied with leading DSP control technology and offer multiple and extendable options to meet the increasing customized application demand.



Provide Secure and Reliable Power Protection

- Output power factor of up to 1, meeting the protection requirements of the new generation IT equipment
- 95% online mode and 98% ECO mode. The green and environment-friendly design complies with new power source and reduces the operating costs for customers as well.
- On-line double conversion technology, zero transfer time offering reliable power protection
- Built-in paralleling function to provide the highest level of power protection for the most critical system, thus ensuring the reliability > 99.99%
- Compact size fits for rack, the height of 10KW UPS is only 2U with 600mm depth

Typical Applications:

- Critical server and network device
- IT enclosure
- Equipment related to telecommunications and VoIP etc.
- Banking and security system
- Healthcare system
- Manufacturing / control system
- Laboratory equipment, precision instruments etc.

Flexible Configuration, Offering Customized Solution

- Adjustable recharge current, helpful to improve battery life based on different customer requirements
- Flexible battery configuration, 16/17/18/19/20 consequently adjustable
- Connect to 3U Battery PACK or extend to external battery group, easy configuration backup time
- RACK design and fits for standard RACK installation, meanwhile support tower installation;

EBM (Extended Battery Module)

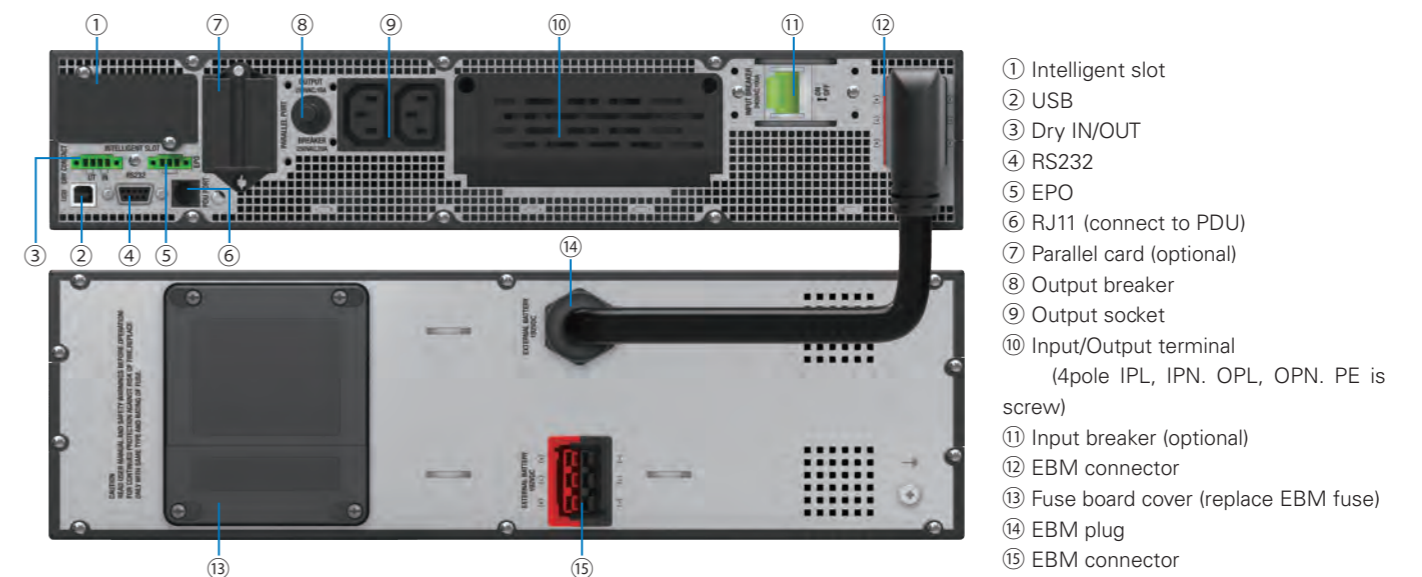
| UPS | Voltage | Battery Configuration |
|-----|---------|-----------------------|
| 6K | 192VDC | 16 x 12V, 7Ah |
| | 240VDC | 20 x 12V, 7Ah |
| 10K | 192VDC | 16 x 12V, 9Ah |
| | 240VDC | 20 x 12V, 9Ah |

* EBM default configuration is 192VDC
 * 240VDC EBM need confirmation before ordering

Easy Management

- LCD Display
- Standard RS232, USB, EPO, configurable dry contacts communication port Provide intelligent slot card for NMC card, MODBUS card, Relay card optional.

Rear Panel Layout



CR6-10kVA UPS Product Specification

| Model | | 6K | 6KS | 10K | 10KS |
|------------------------------|---|--|-----------------------------------|--|-----------------------------------|
| Power rating | VA/W | 6000VA/6000W | | 10000VA/10000W | |
| Input | Input voltage range | 110~275VAC | | | |
| | Input frequency range | 40Hz-70Hz | | | |
| | Input wiring | Single phase with ground | | | |
| | Input power factor | ≥0.995 | | | |
| Output | Output voltage | 208/220/230/240 VAC | | | |
| | Output voltage tolerance | ± 1% | | | |
| | Output wiring | Single phase with ground | | | |
| | Output connection | 2*IEC, 1*Terminal Block | | | |
| | Output frequency range | 50/60Hz ± 0.1Hz(battery mode) | | | |
| | Output THDV | <1%(linear load) | | | |
| | | <5%(non-linear load) | | | |
| | Output waveform | Pure sinewave | | | |
| Overload capability | 10min@105~125% load 30S @125~150% load 0.5S @>150% load | | | | |
| Efficiency | Line mode | Up to 95% | | Up to 95% | |
| | ECO mode | Up to 98% | | Up to 98% | |
| Battery and charger | Battery quantity | 16PCS default, 16/17/18/19/20 adjustable | | | |
| | Recharge time to 90% battery capacity | 3 hours | depends on customer configuration | 3 hours | depends on customer configuration |
| | Backup time | >4min@100% load >11min@50% load | | >2.1min@100% load >8min@50% load | |
| | Recharge current | 1.4A default, 0-4A adjustable | 4A default, 0-12A adjustable | 2A default, 0-4A adjustable | 4A default, 0-12A adjustable |
| Display | LCD+LED | load rating/battery capacity/input/output/operating mode | | | |
| Communication and monitoring | Communication port | RS232, USB+EPO, Dry in/Dry out configurable. | | | |
| | Extendable communication card | Dry Contact Card, MODBUS Card, NMC Card are optional | | | |
| | Software | Winpower | | | |
| Physical parameters | Product dimension (W*H*D)mm | 438* 86.3* 573mm (UPS) 438*129* 593mm (EBM) | 438* 86.3* 573mm | 438* 86.3* 573mm (UPS) 438*129* 593mm (EBM) | 438* 86.3* 573mm |
| | Product weight (Kg) | 14 (UPS) 46 (EBM) | 14 | 16 (UPS) 52 (EBM) | 16 |
| Environment | Operating temperature | 0-40℃ | | | |
| | Operating humidity | 0-95%(non-condensing) | | | |
| Standard | | IEC62040, IEC60950 | | | |

Note:

* All internal batteries are default as STK brand, any other battery brand might be applied without prior notice;



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