

	PRODUCT SPECIFICATIONS	REF. No. : EN-00005-01
	PRODUCT SERIES : Santak RACK Series	: 614-08133XS1-00
	MODEL : RACK 2K	
	TECHNOLOGY : Online double conversion	Page No.: 1 OF 2

INPUT

Nominal Voltage	: 220VAC
Phase	: Single phase with ground (2W + G)
Power Factor	: ≥ 0.98
Voltage Range	: 110VAC ~ 300VAC
Frequency Range	: 40 ~ 70Hz
Protection	: Resettable Circuit Breaker
Connection	: IEC320-16A inlet
Generator Compatibility	: Yes

OUTPUT

Nominal Power Capacity	: 2kVA / 1.8kW (30°C) 2kVA / 1.6kW (40°C)
Power Factor	: 0.9 (30°C), 0.8 (40°C)
Nominal Voltage	: 220 VAC
Regulation	: $\pm 2\%$
Waveform	: Sine wave
Frequency	: Battery mode: 50Hz $\pm$ 0.05Hz Line mode: 50Hz $\pm$ 4Hz
Crest Ratio	: 3:1
Overload capacity (0.8pf)	: 105%-150%: 47s-25s 150%-200%: 25s-300ms >200%: 200ms
Connection	: 3 * IEC C13; 1 * IEC C19

BATTERY & CHARGER

Type	: VRLA, Maintenance Free
Quantity	: 4pcs
Nominal DC Voltage	: 48 VDC
Protection	: Fast-acting Fuse
Initial charging current	: 1A
Backup Time	: >4.5 min (80% load, 0.8 pf)

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TRANSFER TIME

Utility Power Failure	: 0 ms
Battery to Utility Power Mode	: 0 ms
Bypass to Inverter and vice versa:	< 4 ms
Auto transfer to bypass mode When UPS is overloaded, failed	

INTERFACE

Control Panel	: Power On/Off; Test/Alarm silence
Indicators	: Graphical LED display: Line mode, Battery mode, Bypass mode, Inverter mode, Load level/Battery level, Fault
Diagnostics	: Full system self test on power up
DC power-on function	: Yes
Auto-restart	: Default “YES”, can be set to “NO” through Winpower software
Audible Alarm	
- Battery mode	: Beep once every 4 seconds
- Battery low	: Beep once every second
- Overload	: Beep twice every seconds
- Fault	: Beeps continuously
- Bypass mode or Site fault	: Beep once every 2 minutes
Communications	
- USB Port	: Available
- Intelligent Slot	: Available (Options: NMC Card, Modbus Card, Relay Card)
- Software	: Winpower
Cooling	: Force air cooling

ENVIRONMENTAL

Operating Temperature	: 0 ~ 40 °C
Operating Humidity	: 0 ~ 95%, non-condensing

MECHANICAL FEATURES

Dimensions W x D x H (mm)	: 438 x 570 x 87 mm
Weight (kg)	: 17.5 kg

Specifications are subject to change without notice.