	PRODUCT SPECIFICATIONS	REF. No. : EN-00005-01
	PRODUCT SERIES : Santak RACK Series MODEL : RACK 3KS TECHNOLOGY : Online double conversion	: 614-08133XS1-00

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	: 3kVA / 2.7kW (30°C) 3kVA / 2.4kW (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
Nominal DC Voltage	: 96 VDC
Protection	: Fast-acting Fuse
Initial charging current	: 6A
Backup Time	: Depends on the external battery

Reference Battery configuration	:	<table border="1"> <thead> <tr> <th>RACK 3KS EBM</th> <th>Backup time at 100% load (0.8pf)</th> </tr> </thead> <tbody> <tr> <td>EBM * 1</td> <td>5 mins</td> </tr> <tr> <td>EBM * 2</td> <td>14 mins</td> </tr> <tr> <td>EBM * 3</td> <td>25 mins</td> </tr> <tr> <td>EBM * 4</td> <td>32 mins</td> </tr> </tbody> </table>	RACK 3KS EBM	Backup time at 100% load (0.8pf)	EBM * 1	5 mins	EBM * 2	14 mins	EBM * 3	25 mins	EBM * 4	32 mins
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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

RACK 3KS	
- Dimensions W x D x H (mm)	: 438 x 420 x 87 mm
- Weight (kg)	: 9 kg
RACK 3KS EBM	
- Dimensions W x D x H (mm)	: 438 x 420 x 87 mm
- Weight (kg)	: 24.8 kg