
	<b>PRODUCT SPECIFICATIONS</b>	REF. No. : 614-02071XS1-02 EN-00004-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C1KS-LCD	1 OF 4

### **INPUT**

Nominal Voltage	: 220/230/240VAC
Phase	: Single phase with ground
Allowed Voltage Range	: 100 ~ 300VAC
Nominal Frequency	: 50/60Hz
Frequency Range	: 40 ~ 70Hz
Power Factor	: 0.99
Noise Suppression	: Full time EMI filtering
Nominal RMS Current	: 5.7A(220VAC)/5.4A(230VAC)/5.2A(240VAC)
Protection	: Resettable Circuit Breaker
Connection	: IEC320 C20 inlet
Generator Compatibility	: Yes

### **BYPASS**

Output before UPS power-on	: Default "NO", can be configured to "YES" through Winpower software
Auto Transfer	: Auto transfer to bypass mode When UPS is overloaded, failed
Protection	: Resettable Circuit Breaker

	<b>PRODUCT SPECIFICATIONS</b>	REF. No. : 614-02071XS1-02 EN-00004-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C1KS-LCD	2 OF 4

## **OUTPUT**

Nominal Power Capacity	: 1KVA / 0.9KW
Nominal Voltage	: 220/230/240VAC
Regulation	: $\pm 1\%$
Waveform	: Sine wave
Distortion	: < 1% (linear load); < 5% (non-linear load)
Frequency	: Battery mode: 50/60Hz $\pm 0.05$ Hz Line mode: 50/60Hz $\pm 4$ Hz
Crest Ratio	: 3:1
Efficiency	: 89% (inverter mode) 97% (ECO mode)
Overload Time (on-line)	: 100%~105%, only warning 105%~130%, $\geq 60$ s. Then transfer to bypass and alarm 130%~150%, $\geq 10$ s. Then transfer to bypass and alarm >150%, $\geq 300$ ms. Then transfer to bypass and alarm
Connection	: IEC C13*3

## **BATTERY & CHARGER**

Type	: VRLA, Maintenance Free
Rating	: Depends on the external battery
Quantity	: 2 pieces
Nominal DC Voltage	: 24VDC
Floating Charging	: 13.65*2VDC $\pm 0.15$ for every battery
Backup Time	: Depends on the external battery
Protection	: Fast-acting Fuse
Initial charging current	: 6A
Recharge Time	: Depends on the external battery



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REF. No. : 614-02071XS1-02  
EN-00004-01

PRODUCT SERIES : Santak Castle Series  
MODEL : C1KS-LCD

Page No.


3 OF 4

**TRANSFER TIME**

- Utility Power Failure : 0 ms
- Battery to Utility Power Mode : 0 ms
- Bypass to Inverter and vice versa : < 4 ms
- Auto Transfer : Automatically retransfer to Inverter mode after overload is cleared

**INTERFACE**

- Control Panel : Power On/Off; Test/Alarm silence
- LCD display : Operating mode, load information, battery information, Input & output information, fault code
  
- 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 : Beep once every 2 minutes
  
- Communications
  - DB-9 Port : RS232 interface
  - Intelligent Slot (SNMP) : Available  
(Options: WebPower(NMC), CMC or AS400 Card)
  
- Cooling : Force air cooling

	<b>PRODUCT SPECIFICATIONS</b>	REF. No. : 614-02071XS1-02 EN-00004-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C1KS-LCD	4 OF 4

### **ENVIRONMENTAL**

Operating Temperature	: 0 ~ 40°C
Operating Humidity	: < 95% non-condensing
Storage Temperature	: -25 °C ~ 55 °C
Audible Noise	: 40dB at 1 meter distance in front of the UPS (Buzzer not included)

### **STANDARD & SAFETY**

SAFETY	: IEC/EN 62040-1
EMI	
Conducted Emission	: IEC/EN 62040-2 Category C2
Radiated Emission	: IEC/EN 62040-2 Category C2
Harmonic Current	: IEC/EN 61000-3-2
Voltage Fluctuation and Flicker	: IEC/EN 61000-3-3

### EMS

ESD	: IEC/EN 61000-4-2 Level 3
RS	: IEC/EN 61000-4-3 Level 3
EFT	: IEC/EN 61000-4-4 Level 4
SURGE	: IEC/EN 61000-4-5 Level 4
CS	: IEC/EN 61000-4-6 Level 3
MS	: IEC/EN 61000-4-8 Level 4
Voltage Dips	: IEC/EN 61000-4-11
Low Frequency Signals	: IEC/EN 61000-2-2

### **MECHANICAL FEATURES**

Dimensions W x D x H (mm)	: 102 x 346 x 228 mm
Weight (kg)	: 3.9kg

Specifications are subject to change without notice.