
	PRODUCT SPECIFICATIONS	REF. No. : 614-02071XS1-02 EN-00006-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C2K-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	: 9.7A(220VAC)/9.3A(230VAC)/8.9A(240VAC)
Protection	: Resettable Circuit Breaker
Connection	: IEC320 C14 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

	PRODUCT SPECIFICATIONS	REF. No. : 614-02071XS1-02 EN-00006-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C2K-LCD	2 OF 4

OUTPUT

Nominal Power Capacity	: 2KVA / 1.8KW
Nominal Voltage	: 220/230/240VAC
Regulation	: $\pm 1\%$
Waveform	: Sine wave
Distortion	: < 1% (linear load); < 5% (non-linear load)
Frequency	: Battery mode: 50/60Hz ± 0.05 Hz Line mode: 50/60Hz ± 4 Hz
Crest Ratio	: 3:1
Efficiency	: 91% (inverter mode) 97% (ECO mode)
Overload Time (on-line)	: 100%~105%, only warning 105%~130%, ≥ 60 s. Then transfer to bypass and alarm 130%~150%, ≥ 10 s. Then transfer to bypass and alarm >150%, ≥ 300 ms. Then transfer to bypass and alarm
Connection	: IEC C13*4

BATTERY & CHARGER

Type	: VRLA, Maintenance Free
Rating	: 12V9Ah
Quantity	: 4 pieces
Nominal DC Voltage	: 48VDC
Floating Charging	: 13.65*4VDC ± 0.15 for every battery
Backup Time	: >3.5 minutes at full load; 10 minutes at half load
Protection	: Fast-acting Fuse
Initial charging current	: 1.5A
Recharge Time	: 4 Hours recharge to 90%



PRODUCT SPECIFICATIONS

REF. No. : 614-02071XS1-02
EN-00006-01

PRODUCT SERIES : Santak Castle Series
MODEL : C2K-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

	PRODUCT SPECIFICATIONS	REF. No. : 614-02071XS1-02 EN-00006-01
	PRODUCT SERIES : Santak Castle Series	Page No.
	MODEL : C2K-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)	: 190 x 399 x 327 mm
Weight (kg)	: 17.4kg

Specifications are subject to change without notice.