

**PRODUCT SPECIFICATIONS**

REF. No.: 614-02071XS1-01

PRODUCT SERIES : Santak Castle Series
MODEL : C3K-LCD

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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	: 14.5A(220VAC)/13.9A(230VAC)/13.3A(240VAC)
Protection	: Resettable Circuit Breaker
Connection	: IEC320-16A inlet
Generator Compatibility	: Yes

BYPASS

Output before UPS power-on	: Default "NO", can be configured to "YES" through Winpower software
Protection	: Resettable Circuit Breaker

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OUTPUT

Nominal Power Capacity	: 3KVA / 2.7KW
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)
Connection	: 4 pieces of IEC320-10A outlet and 1 piece of IEC320-16A outlet

BATTERY & CHARGER

Type	: VRLA, Maintenance Free
Rating	: 12V9Ah
Quantity	: 6 pieces
Nominal DC Voltage	: 72VDC
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%

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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	: 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 or Site fault	: 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

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ENVIRONMENTAL

Operating Temperature	: 0 ~ 40 °C
Operating Humidity	: < 95% non-condensing
Storage Temperature	: -25 °C ~ 55 °C
Audible Noise	: 50dB 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 393 x 330 mm
Weight (kg)	: 22.6kg

Specifications are subject to change without notice.

T = 25°C, Unless otherwise noted