

SMART APP UPS SERIES

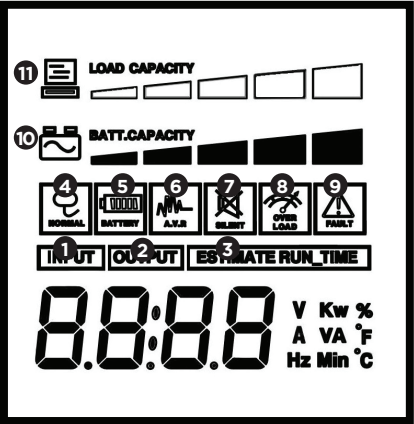
CST150XLU

LCD FUNCTION SETUP GUIDE

LCD OPERATION GUIDE

Display Interface

- ➊ Input Voltage Meter
- ➋ Output Voltage Meter
- ➌ Estimated Runtime
- ➍ Normal Icon
- ➎ Battery Icon
- ➏ AVR Icon
- ➐ Silent Mode Icon
- ➑ Overload Indicator
- ➒ Fault Indicator
- ➓ Battery Capacity Meter
- ➑ Load Capacity Meter



Basic Operation

Power On:
Press and hold the POWER Button. You will hear a constant tone for 1 second, followed by a short beep. Release the button after the short beep.

Power Off:
Press the POWER button for approximately 2 seconds. You will hear a constant tone for 1 second followed by 2 short beeps. Release the button after 2 short beeps.

Setup Mode

Press and hold the DISPLAY Button for approximately 3 seconds to access the setup mode's 9 functions. Use the same button to select the functions to configure:

- * Sensitivity
- * LCD Display ON/OFF
- * Self Test
- * Utility Power
- * Maximum O/P Voltage
- * Minimum O/P Voltage
- * Audible Alarm
- * Back to Default Settings
- * Back to Status Display

Setup Mode - cont.

Select Function:
When a function is selected, press DISPLAY Button for 3 seconds to view the options.

Confirm Option:
Press the DISPLAY button:
When an option is selected, press the DISPLAY Button for 3 seconds. After the setting has been confirmed, the LCD screen will go back to the Function Menu.

Wait 8 seconds:
When an option is selected, you can wait 8 seconds for the setting to be confirmed. After the setting has been confirmed, the LCD screen will leave the setup mode and go back to the Status Display.

Escape Option / Function (ESC):
Option Menu:
Select this option and press the DISPLAY Button for 3 seconds to go back to the Function Menu.

Function Menu:
Select this function and press the DISPLAY Button for 3 seconds to go back to the Status Display.

Menu

In order to better supply power to the connected equipment, it is recommended to check settings in this menu before you start using your UPS.

Item	Default	Option	Description
Sensitivity	Medium	<div>* Low</div> <div>* Medium</div> <div>* High</div> <div>* Escape to Function Menu</div>	<div>If the connected equipment can tolerate more power events (example: unstable power often associated with stormy weather), select Low Sensitivity. The UPS will go to Battery Mode less often. If the connected equipment is more sensitive to power events, select High Sensitivity. The UPS will go to Battery Mode more often.</div>
LCD Display On / Off	Lcd 0	<div>* Lcd 0 (LCD Off)</div> <div>* Lcd 1 (LCD Always On)</div> <div>* Escape to Function Menu</div>	<div>If Lcd 0 is selected, the LCD display will shut off after 60 seconds if there is no activity.</div> <div>If Lcd 1 is selected, the LCD display will stay illuminated.</div> <div>Note: In Battery mode, the LCD is always on regardless if the setting is Lcd 0 or Lcd 1.</div>
Self-Test Battery Test	No Action	<div>* Yes</div> <div>* Escape to Function Menu</div>	<div>In Line Mode, select YES to perform a Self Test on the battery.</div>
Utility Power	No Action	<div>* Poor (97V to 142V)</div> <div>* Normal (100V to 139V)</div> <div>* Good (103V to 136V)</div> <div>* Escape to Function Menu</div> <div>* CUS t (only when MIN or MAX O/P voltage is configured)</div>	<div>This function determines how the UPS will switch to Battery Mode.</div> <div>3 different output voltage ranges can be chosen according to the quality of the AC utility service in your location. If utility service is not stable, select Poor (97V-142V). The UPS will go to Battery Mode less often to tolerate the utility power fluctuations. If utility service is stable, select Good (103V-136V). The unit will go to Battery Mode more often.</div>
MAX O/P Voltage	H139V	<div>* H136 V to H142 V</div> <div>* Escape to Function Menu</div>	<div>In Utility Power settings, only 3 types of fixed voltage ranges can be chosen. However, you can fine tune the MAX O/P voltage in this function. If the utility voltage is usually high, and the connected equipment can work in this condition, set the output voltage range higher to reduce the UPS from going to Battery Mode as often.</div>
MIN O/P Voltage	L100V	<div>* L97 V to L103 V</div> <div>* Escape to Function Menu</div>	<div>In Utility Power settings, only 3 types of voltage ranges can be chosen. However, you can fine tune the MIN O/P voltage in this function. If the utility voltage is usually low, and the connected equipment can work in this condition, set the output voltage range lower to reduce the UPS from going to AVR Mode or Battery Mode as often.</div>
Audible Alarm	b On	<div>* b On</div> <div>* b Off</div> <div>* Escape to Function Menu</div>	<div>If b OFF is selected, the unit will mute all alarms except for fault or overload condition.</div>

Menu

Item	Default	Option	Description
Return to Default Settings		<div>* Yes</div> <div>* Escape to Function Menu</div>	<div>Select Yes and press the DISPLAY Button for approximately 3 seconds to restore the UPS factory default settings and go back to the Status Display.</div>
Return to Status Display			<div>Press the DISPLAY Button for approximately 3 seconds to go back to the Status Display.</div>