

# 33525-PS

## Smart Boost Converter

Non Isolated, Step up (Boost) adjustable Smart Converter with In/Out Voltmeter. Uses a XL6009E Chip. Onboard switch for selecting Input or Output readout on Display and to set a Display Offset (Calibration) of Input & Output readings.

Solder/Terminal strip In/Out.

Input: 3-32VDC

Output: 4-36VDC

Rated Current: 3A Max.

Display: 3Digit Red 3/8" LED

Resolution: +/-0.1V

### Notes:

Input must exceed 4V for the Display to function

Clockwise Increase Output Voltage

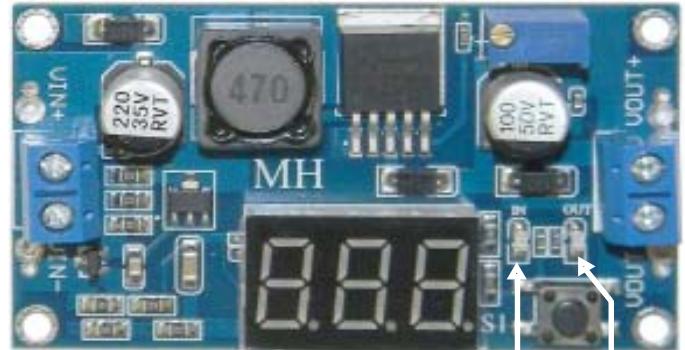
Output Voltage setting must be higher than Input Voltage

Input current increases as the In/Out Voltage difference Increases

Heatsink needed for input or output exceeding 10W

Momentary press of switch to activate Display and to select Input or Output

Hold switch ~2sec. to turn the meter off



Input LED  
Switch  
Output LED

## PROGRAMMING OFFSET (CALIBRATION)

### IF NEEDED

To calibrate or to compensate for your connections  
Use a calibrated Multimeter connected at the Converter Board  
Setting Retained when Power is Removed

- 1: Momentarily press switch to activate Display
- 2: Hold switch for >3seconds then release to enter Offset adjust Mode  
Right most Digit will Flash  
Input LED will be lit.  
Momentarily Press Switch and Display will Increase sequentially from "0"  
thru "5" then "-1" to "-5" & back to "0" (0,1,2,3,4,5,-1,-2,-3,-4,-5,0)
- 3: Hold switch for >3seconds (Release)  
Right most Digit will Flash  
Output LED will be lit.  
Momentarily Press Switch and Display will Increase sequentially as above
- 4: Hold switch for >3seconds (Release)  
Display will return to normal operation

Hold switch for ~2sec. to turn the meter off when not programming

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