

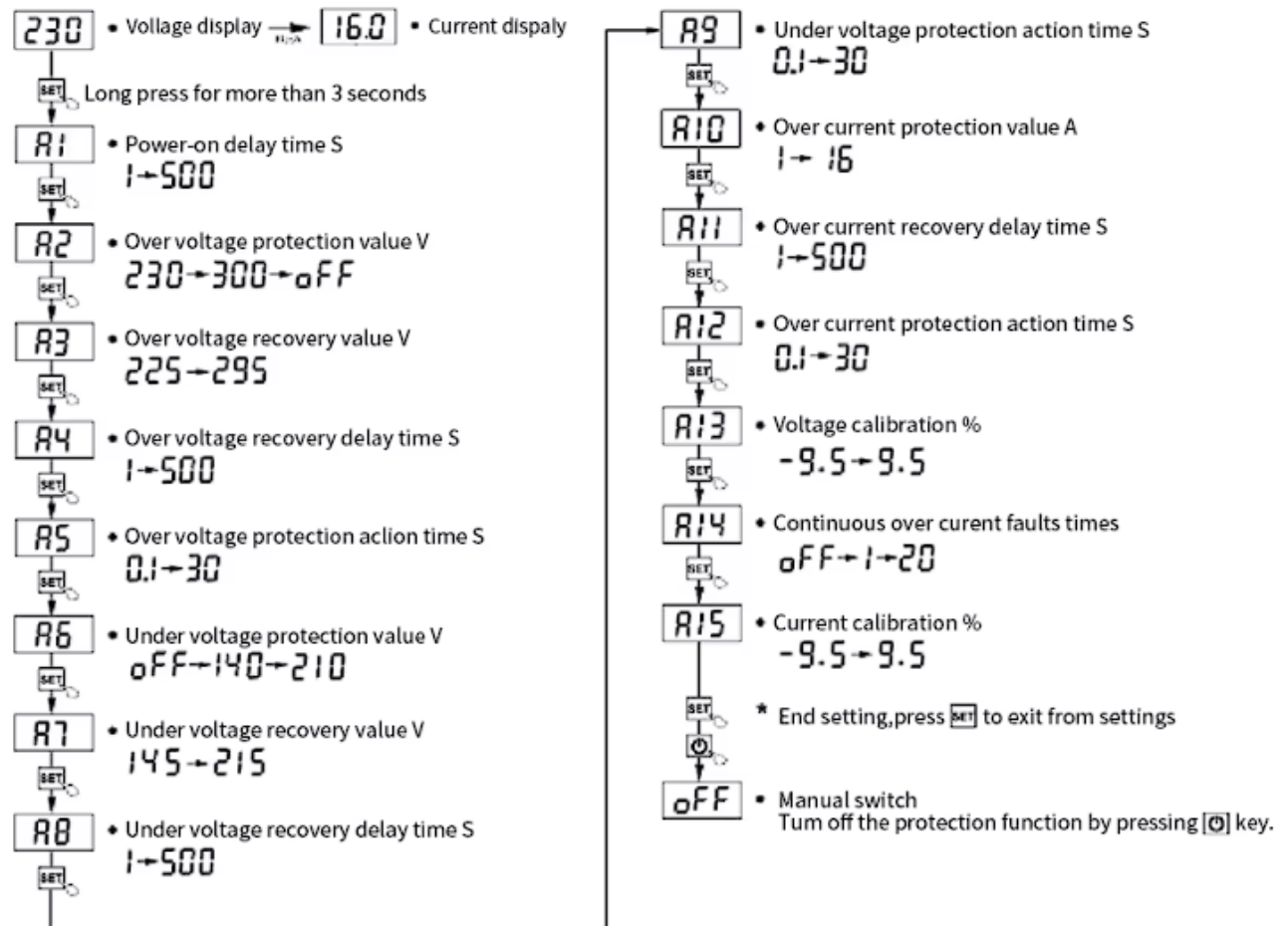
Functions:

1. Over-voltage protection
2. Under-voltage protection
3. Over-current protection
4. Automatic recovery
5. Voltage display (voltage measurement)
6. Current display (current measurement)
7. Voltage calibration: Voltage $\pm 9.5\%$ adjustable.
8. Restore factory settings: press the down button for more than 12s
9. Fault inquiry: Press the UP button for more than 12s

Product Parameters:

1. Model number: TOSVA-16LM
2. Power supply: 140-300VAC 50/60Hz
3. Max. Loading power: 1~16A Adjustable (default: 16A)
4. Over-voltage protection value
range: 230V~300V (default: 270V)
Over-voltage recovery voltage range: 225V--
295V (default: 265V)
Over-voltage protection action time: 0.1s~30s (default
value: 0.5s)
Over-voltage recovery delay time: 1s~500s (default: 30s)
5. Under-voltage protection value
range: 140V~210V (default: 170V)
Under-voltage recovery voltage range: 145V--215V
(default: 175V)
Under-voltage protection action time: 0.1s~30s (default: 0.5s)
Under-voltage recovery delay time: 1s~500s (default: 30s)
6. Over-current adjustment range: 1-16A (default: 16A)
Over-current action range: 0.1~30 second (default: 1s)
Over-current recovery delay time: 1s~500s (default: 30s)
7. Power-on delay time: 1s~500s (default: 10s)
8. Power consumption : <2W
9. Electric machinery life : $\geq 100,000$ cycles
10. **The total length of the socket: 1.6**

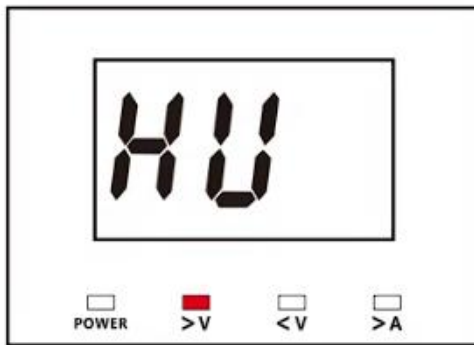
Wire length: 1.35m



1. Change the setting value by pressing **▲** **▼** keys
2. When the setting over voltage protection value exceeds 300V, the over voltage protection function will be closed.
3. When the setting under voltage protection value is lower than 140V, the under voltage protection function will be closed.
4. Press the **▲** key for more than 12 seconds to query the last fault, and press the **▼** key for more than 6 seconds to restore the factory settings
5. During the setting process, it is not necessary to press the last step, but long press the **SET** key to save.

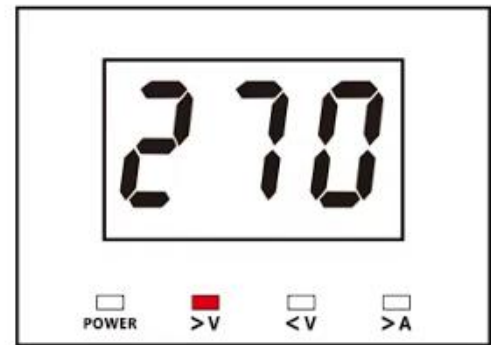


- | | |
|---------------------------------|--|
| ① Power indicator | ⑤ Manual switch |
| ② Over voltage alarm indicator | ⑥ Set key: Long press for 3 seconds to enter the setting interface |
| ③ Under voltage alarm indicator | ⑦ Adjustment key + |
| ④ Over current alarm indicator | ⑧ Adjustment key - |



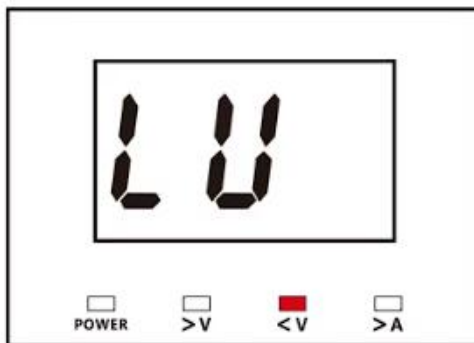
- Code Hu indicates over voltage protection status

Flash



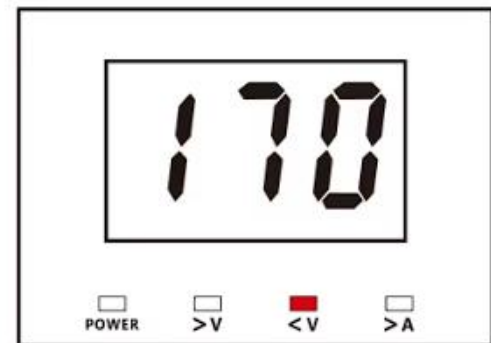
- The screen shows the actual voltage when over voltage protection

1 - Over voltage protection status



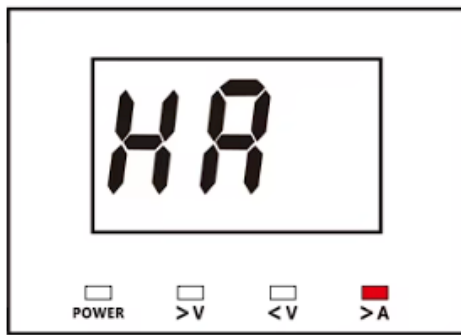
- Code LU indicates under voltage protection status

Flash



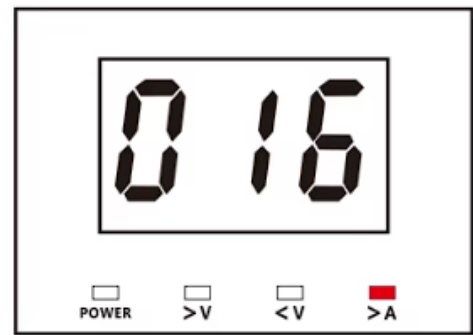
- The screen shows the actual voltage when under voltage protection

2 - Under voltage protection status



- Code HA indicates over current protection status

→
Flash



- When the current returns to normal, the protector will reset automatically at the recovery time

3 - Over current protection status

