



# 2500 Series® Compact System



## 2500C-PS-125V-35 125 VDC 35 Watt Power Supply



### DESCRIPTION

The 2500C-PS-125V-35 is a triple wide module that provides power for the CPU and all IO modules plugged in the Compact Chassis. This power supply is designed specifically for 125VDC Battery Back-up Systems

### FEATURES

- Triple wide module
- 125 VDC
- Maximum 35 watts backplane power
- 83mSec holdup time

Input Specifications◇	
Field Wiring Connector	3 Pin Removable Connector
Input Voltage Operating Range	85-125VDC
Total Wattage Rating	35 watts maximum output @ 0 to 60°C
Steady State Input Current at full Load	0.523 Amps max @ 85 VDC 0.347 Amps max @ 125 VDC 0.287 Amps max @ 150 VDC
Peak Inrush Current	Less than 4.2 Amps Calculated @ 125 VDC
Fusing	1.0 Amp 240VAC, 3 x 20mm front panel accessible
Hold Up Time	83 mSec @ 35 Watt Full Load

Module Size	Triple wide module
Isolation 125VDC to Backplane	1500VAC: 125 VDC-to-Backplane 500VDC: Chassis-to-Backplane 1500VAC: 125 VDC-to-Chassis
Operating Temp Range	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Shipping Weight	2.0 lb. (0.91 Kg)
Agency Approvals Pending	UL, ULC, FM(Class 1, Div 2), CE
◇ Note: All measurements are made from a power supply at 25°C .	



### Control Technology Inc.

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CTI products are proudly  
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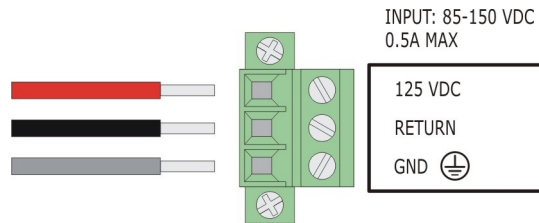
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2500C Compact Power Supplies are always located in the left most slot

**Warning:**  
Disable all power to the base before installing or removing the power supply. Failure to do so could cause damage to the equipment or injury to personnel.

**Caution:**  
Do not attempt to operate the 2500C-PS-125V-35 out of the Voltage Operating Ranges specified. Damage to the Power Supply could occur if out of range power input is applied.



### Installing Power Wiring

Use the following steps for installing and removing the 2500C-PS-125V-35 Power Supply from the 2500C Chassis.

1. Position the power supply so that the bezel is facing you.
2. Grasp the top and bottom of the power supply
3. Carefully slide the power supply into the left most slot in the base until it engages into the backplane connector.
4. Strip power wiring back, insert the wire into the wiring connector as shown above, then tighten screws
5. Check to make sure the power input wires are securely inserted and the fastened in the wiring connector.
6. Insert and tighten down the 3 pin removable wiring connector.
7. Be sure to tighten the top and bottom bezel screws completely.
8. Once all the chassis modules including controllers and IO are inserted then you may apply power to the power supply inputs.

To remove the power supply, remove power from the power input by removing the power wiring connector or turning off the power source, loosen the bezel screws, and pull the power supply forward out of the chassis until it clears the chassis.



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