

Installation Instructions

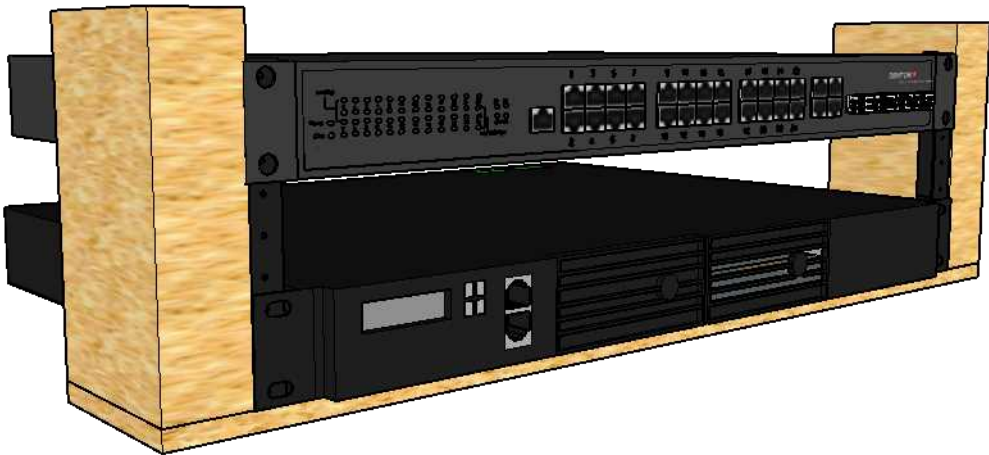
Installation Options



- This product is designed to be installed in a 19" rack
- Use CAT 5e or CAT 6 or better cables
- The device needs sufficient cooling to operate at maximum power output. Refer to the online manual for specification
- Allow for sufficient airflow around the device

For installation, wiring, and configuration information, please refer to the on-line technical manual for this device by scanning this QR code or visiting:

<https://www.poetexas.com/gbts-28-24-m/>



Ceiling Mounted



Wall Mounted



Wall Mounted

- Installation Notes:**
- Provide spacing between units in rack and ceiling configurations
 - Leave sufficient ventilation space around units in rack - enclosed racks not recommended

GBTS-28-24-M Installation Drawings

3616 Far West Blvd
Suite 117-294
Austin TX 78731

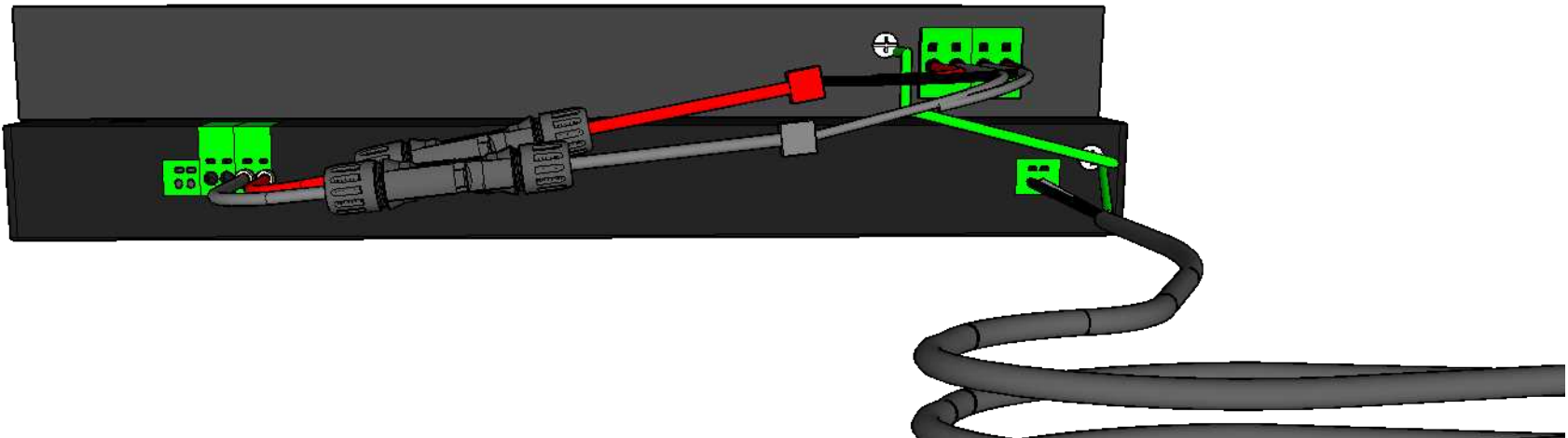
DATE:
August 25, 2023

TITLE:
PRODUCT
DRAWINGS

DRAWING NUMBER:

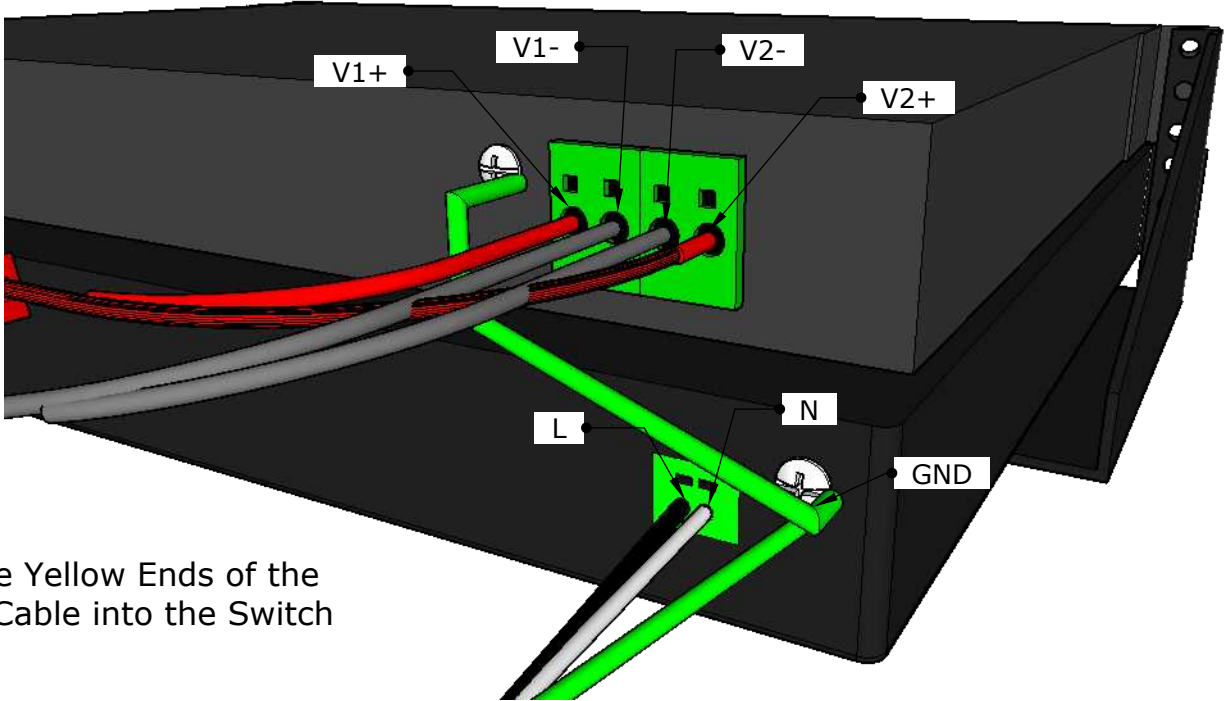
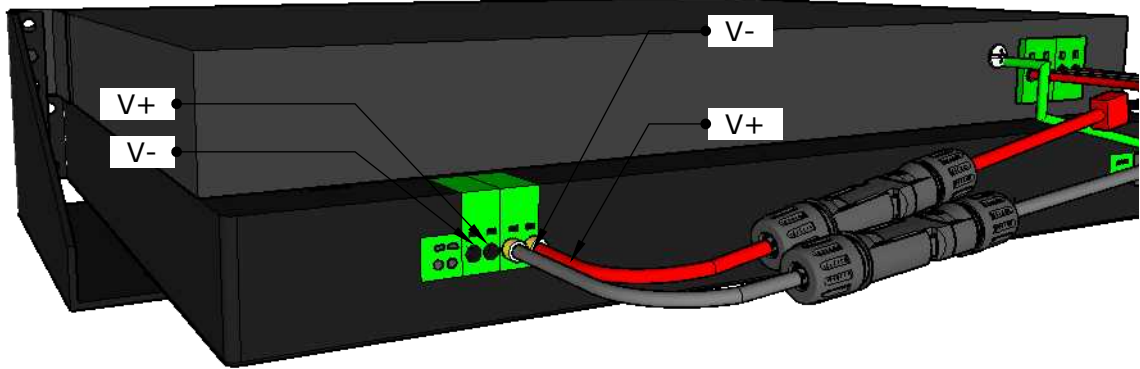
A

Power Supply Wiring



SWITCH SIDE	WIRE COLOR	POWER SUPPLY SIDE
V1+	RED	LOAD 2+
V1-	BLACK	LOAD 2-
V2+	RED	LOAD 1+
V2-	BLACK	LOAD 1-
GROUND	GREEN	GROUND

AC POWER	WIRE COLOR	POWER SUPPLY SIDE
120 VAC 50/60Hz Minimum 20 amps	WHITE	N
	BLACK	L
	GREEN	GROUND



- Wiring Notes:**
- Connect the Yellow Ends of the Red/Black Cable into the Switch

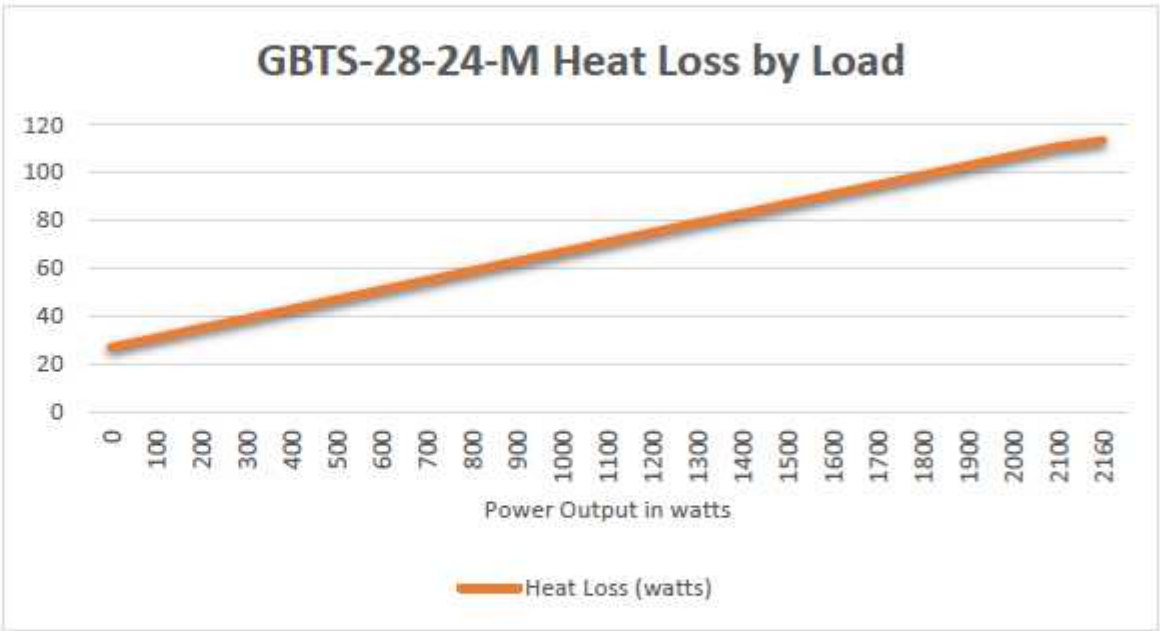
DATE:
August 25, 2023

TITLE:
WIRING
DRAWINGS

DRAWING NUMBER:

HEAT LOAD TABLE

Power Output (watts)	Heat Loss (watts)
0	27
100	31
200	35
300	39
400	43
500	47
600	51
700	55
800	59
900	63
1000	67
1100	71
1200	75
1300	79
1400	83
1500	87
1600	91
1700	95
1800	99
1900	103
2000	107
2100	111
2160	113.4



GBTS-28-24-M Installation Drawings

3616 Far West Blvd
Suite 117-294
Austin TX 78731

The GBTS-28-24-M does put off enough heat when under load that it's important to consider how you will deal with the heat. The key considerations are:

- The GBTS-28-24-M operates well up to 40 C or 104 F in local ambient conditions
- Local ambient conditions mean the space where the switch will be located
- While an office space may be at 75 F, a fully enclosed rack with not ventilation can easily go above 110 F
- Ideally the GBTS-28-24-M is installed in the rack with at least 1u space between it and the PS-53V3000W
- Racks should either be open in the back or have good, reliable forced ventilation to move around around and out of the cabinet
- The room outside, typically an IDF or MDF, the rack or cabinet should have local temperature control through a thermostat and air handling unit
- See the Heat Load Calculator to see how to size any air handling or air conditioning requirements

DATE:
August 25, 2023

TITLE:
HEAT LOAD
TABLE

DRAWING NUMBER:

C