

SEEUPS1-UNV-50L-SD

50W Emergency Micro Inverter

The SEEUPS1-UNV-50L-SD delivers 50W of emergency power for 90 minutes, allowing standard LED fixtures to provide emergency illumination during a power failure. Supports a single fixture or multiple fixtures with a combined load of up to 320W during normal operation.

Features

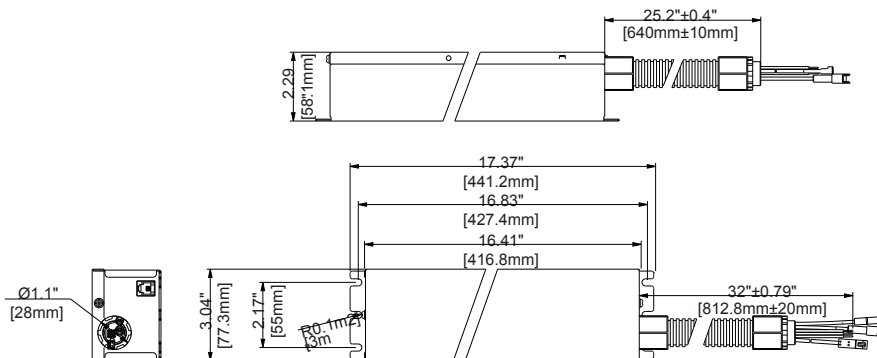
- 50W emergency output for 90 minutes
- Supports lighting loads up to 320W with 0-10V dimming
- Universal 100-277VAC input
- Auto-select 120/220/260VAC output
- LiFePO4 battery technology
- Self-test / self-diagnostics
- Remote test switch included
- Short circuit, overload and undervoltage protection
- Dry and damp location suitable
- 5-year warranty

ELECTRICAL / PERFORMANCE

- **Input Voltage:** 100–277VAC, 50/60Hz
- **Input Current:** 0.20A Max.
- **Input Power:** 20W
- **Emergency Output Power:** 50W Max. (100VA)
- **AC Load Capacity:** 320W Max. with 0–10V Dimming / 50W Max. without 0–10V Dimming
- **Output Voltage:** 120/220/260VAC Auto-Select
- **Battery Type:** LiFePO4
- **Battery Capacity:** 7200mAh
- **Recharge Time:** 12 Hours
- **Emergency Runtime:** 90 Minutes Minimum
- **Standby Power:** CEC Title 20 Compliant
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- **Sound Rating:** Class A
- **Service Life:** 50,000 Hours
- **Warranty:** 5 Years

TESTING & PROTECTION

- Test Switch Lead Length – 23" (584mm)
- Maximum Remote Test Switch Distance – 65.6 ft (20m)
- Short Circuit Protection
- Overload Protection
- Under Voltage Protection
- 2.5kV Ring Wave Surge Protection



LISTINGS:

- UL 924
- CSA C22.2 No. 141
- FCC Part 15A
- RoHS Compliant
- CEC Title 20 Compliant
- IP20 Rated

Overall Dimensions	
Length	17.37" [441.2mm]
Width	3.04" [77.3mm]
Height	2.29" [58.1mm]



Part Number Matrix

SEEUPS **1** **UNV** **50** **L** **SD**

UPS= Uninterruptible Power Supply

1 = Order Number

Input Voltage

UNV= 100V-277V

Maximum Output Power

50 = 50W

Case Type

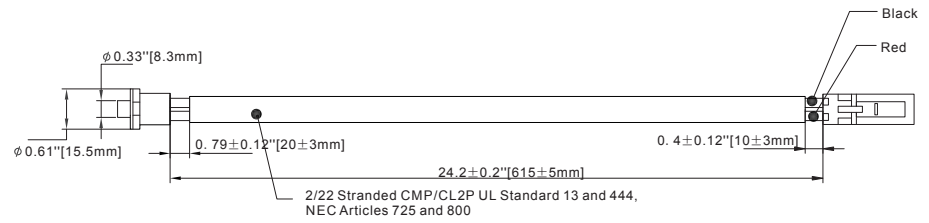
L= Long or Linear

Additional Options

SD= Self Diagnostic

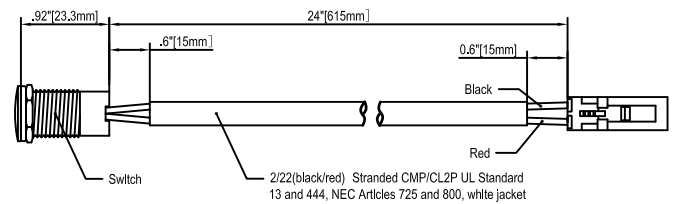
Accessories

Test switch wire

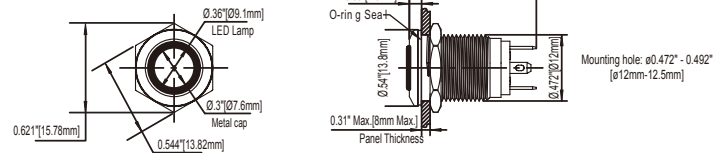


Optional Accessories

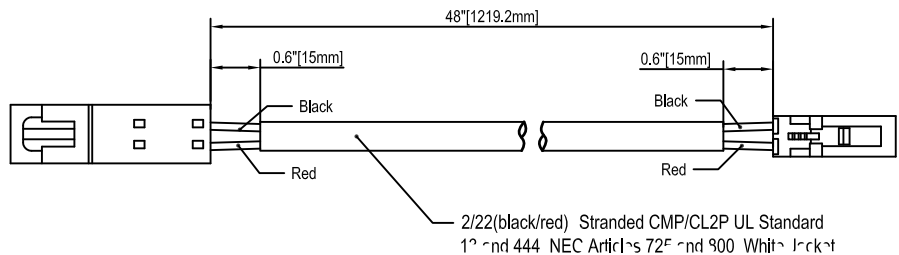
Bi-Color Wet Location Test Switch: SEETSTWL-BC



Overall Switch Dimension



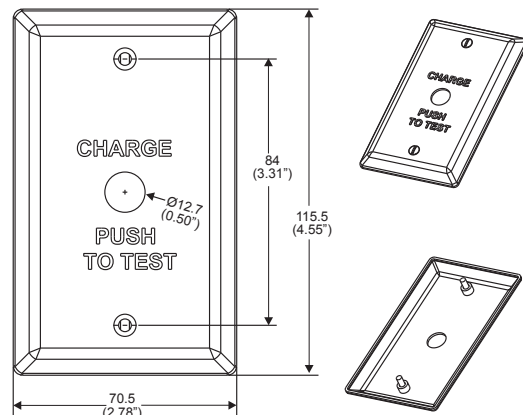
Test Switch Extension: SEEEXT-48-TST



Wall Plate: SEEWLPPH

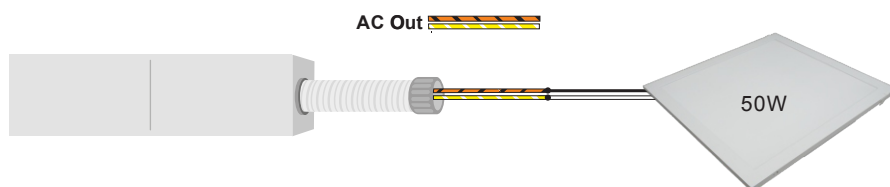


Wall plate and screw color:
white with black lettering



1. "Charge push to Test" plate
2. (2) 6-32 x 1/2" LG mounting screws

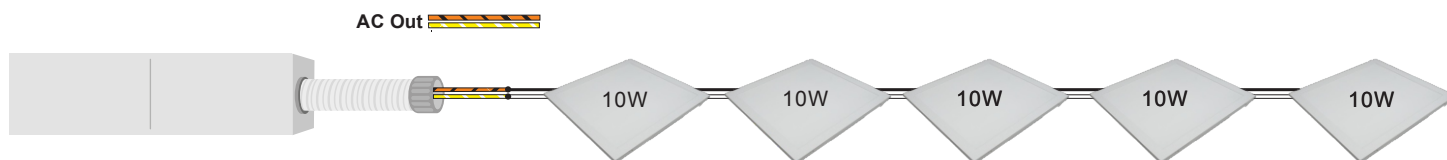
Wiring one single luminaire without 0-10V dimming



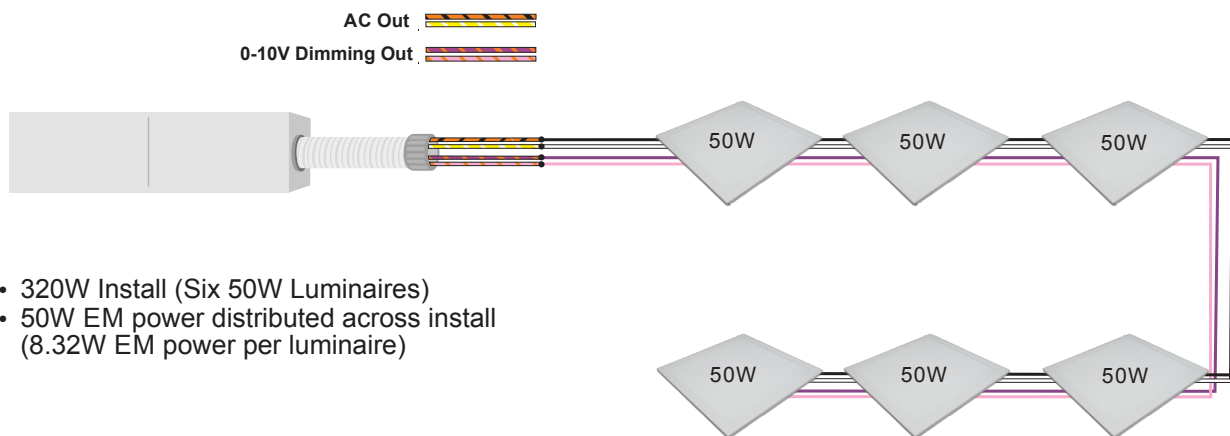
- One 50W luminaire powered at 100% during emergency

Wiring multiple luminaires without 0-10V dimming

Five 10W luminaires powered at 10W each during emergency



Wiring multiple luminaires with 0-10V dimming



- 320W Install (Six 50W Luminaires)
- 50W EM power distributed across install (8.32W EM power per luminaire)

TEST SWITCH INDICATOR STATUS:

LED Indicator Status	EM Driver Status/Mode
● Solid Green	System OK/AC OK(Self-diagnostic Enabled or Disabled)
● Slow Flashing Red, 4s on/1s off	Battery not detected, check battery switch or connection.
● Flashing Red, 1s on/1s off	Battery short circuit.
● Flashing Green, 2s on/2s off	Self-diagnostic test underway.
● Flashing Red, 0.5s on/2s off	Over power fault.
● Flashing Red, 0.5s on/3s off	In self-diagnostic mode. Battery voltage/power is abnormal.
● Flashing Green, 2.5s on/0.5s off	Self-diagnostic enabled.
● Flashing Green, 0.5s on/2.5s off	Self-diagnostic disabled.

*Notes: OTP= OverTemperature Protection; ensures max temperature ratings are not exceeded. .