

Compatible Emergency Inverter Systems for use with Cree Outdoor Luminaires

General Description

Cree does not offer an integrated emergency option with its products, however below is a list of commercially available emergency inverter systems that are compatible with Cree outdoor luminaires. These products are UL listed in accordance with the standards set forth per UL924, "Emergency Lighting and Power Equipment" for field installation.

1. ELI-100-SD, 100W Emergency Lighting Inverters, 120/277 VAC, Self-diagnostic Philips Bodine
2. ELI-250-SD, 250W Emergency Lighting Inverters, 120/277 VAC, Self-diagnostic Philips Bodine
3. IIS-125 Series; 125W Emergency Lighting Inverters, 120/277 VAC, Iota
4. IIS-350 Series; 350W Emergency Lighting Inverters, 120/277 VAC, Iota
5. IIS-375U Series, 375W Emergency Lighting Inverters, 120/277 VAC, Iota
6. PS-100 Series, 100W Emergency Lighting Inverters, 120/277 VAC, EELP
7. PS-250 Series, 250W Emergency Lighting Inverters, 120/277 VAC, EELP

Note: Additional commercially available emergency inverter systems are being qualified for use with Cree outdoor products, please consult factory for more details.

As part of the inverter selection process additional light calculations must be performed prior to installation to ensure illumination levels are compliant to UL924 during emergency mode. In addition, proper emergency inverter system sizing is also recommended to avoid power starvation of luminaires (see examples below).

Emergency Inverter System Sizing: Example 1

CAT# PKG-304-5M-DM-04-D-UL-SV-700 Qty 1. Luminaire system watts per spec sheet = 94W

In this case selecting a 100W inverter system would be recommended.

Emergency Inverter System Sizing: Example 2

CAT# PKG-304-5M-DM-04-D-UL-SV-350 Qty 5. Luminaire system watts per spec sheet = 47W

Total Luminaire system watts = 235W (47 x 5)

The power consumption of the total luminaire system cannot exceed the maximum power of the inverter system. In this case selecting a 250W inverter system would be recommended.