25W Micro-Inverter / Emergency Power Supply Usage Examples

Scenario 1: Non-Dimming Fixtures

The inverter will support a fixture or fixtures up to 25 Watts for 90 minutes.

Example:
Three 8 Watt fixtures will run for 90 mins on a single inverter. (3 x 8W = 24W < 25W)

How bright will each fixture be?
Full Brightness at 8 Watts each

Scenario 2: 0-10V Dimming Fixtures

The inverter will leverage the dimming circuit in each fixture to provide 25 total Watts divided across the number of fixtures being operated on the circuit.

Example:
Two 70 Watt fixtures will run for 90 mins on a single inverter at 12.5 Watts each

How bright will each fixture be ?
Multiply the efficacy of the fixture by 12.5W. In other words, if the efficacy of the fixtures shown in the example are 150 lm/Watt, then the total light output is 150 lm/Watt x 12.5W = 1875 lumens each