



FIREHORSE
FULHAM

Select the Right Micro-Inverter with our Easy Reference Chart

Simple 12W | 25W | 50W Emergency Power Solutions for Wide-Ranging Fixture Applications



Emergency lighting projects can be challenging. Fixture types vary, drivers can be difficult to access, and higher-output luminaires often require more flexible backup solutions. Fulham FireHorse Micro-Inverters simplify emergency (EM) lighting both by providing EM output for at least 90 mins to any lighting fixture technology type and by supporting a wide range of connected lighting loads with 0-10V dimming. Fulham FireHorse Micro-Inverters also offer a flexible way to add EM operation without opening up the fixtures.

Ideal for:



Commercial use,
incl. retail, grocery
& interior spaces



Industrial facilities,
incl. warehouses,
back-of-house &
service areas



Offices, classrooms,
patient rooms, corridors
& common areas

Useful Attributes:



Self-
Diagnostic
Standard
Feature



IP 20



RoHS
COMPLIANT

UL Listed,
CEC Title 20
compliant,
IP20, RoHS



Universal
Input
100-277VAC
50/60Hz



Built-in
protection
features



Select the Right Micro-Inverter with our Easy Reference Chart

Use this easy chart to help identify the right Fulham FireHorse Micro-Inverter model based on the application and connected fixture load:



Application Requirement	Model and Part Number	Max Connected Load for 0-10V Dimming Fixtures* **	Recommended Applications include:
Compact emergency backup for standard commercial fixtures	12W Micro-Inverter FHUPS1-UNV-12L-SD	100W load	Downlights, panels, strips, small fixtures, corridors, offices, and common areas
More emergency output for typical commercial and institutional spaces	25W Micro-Inverter FHUPS1-UNV-25L-SD	150W load	Classrooms, healthcare spaces, retail areas, larger commercial fixtures, and mixed-use spaces
Higher-output emergency backup for larger fixtures and high-ceiling applications	50W Micro-Inverter FHUPS1-UNV-50L-SD	320W load	High bays, UFO high bays, warehouses, industrial areas, and larger connected lighting loads

*Maximum connected load ratings shown for compatible 0-10V dimming applications. Confirm fixture wattage, dimming compatibility, installation requirements, and local code requirements before final selection.

**If the 12W Micro-Inverter is used with TRIAC dimming instead of 0-10V, max load is 18W. If micro-inverters are used with non-dimming fixtures, the max load is the stated wattage of the Micro-Inverter, ie. 12W, 25W or 50W, respectively.

Simple Selection Steps

Step 1: Identify the fixture type: Determine whether the application uses standard commercial fixtures, mid-range luminaires, or high-output/high-bay fixtures.

Step 2: Confirm the connected load: Match the 0-10V dimming fixture or fixture group to the appropriate Micro-Inverter load rating: 12W model up to 100W, 25W model up to 150W, or 50W model up to 320W.

Step 3: Match the emergency output need: Choose 12W for compact common emergency backup, 25W for mid-range applications, or 50W for higher-output applications.

Step 4: Consider installation access: For fixtures where the driver is difficult to access, such as UFO high bays or sealed luminaires, a Micro-Inverter can simplify the emergency lighting solution.

Step 5: Confirm project requirements: Verify fixture wattage, dimming requirements, input voltage, mounting conditions, and local code requirements before final selection.