



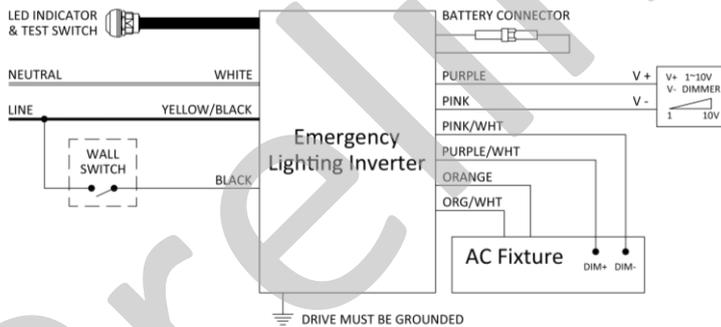
<b>Model Name</b>	IEMMP50-AC120/347 10W
<b>Output Mode</b>	Pure Sine Wave
<b>Input Voltage</b>	120 - 347 Vac Universal Input
<b>Input Frequency</b>	50/60 Hz
<b>Surge Immunity</b>	3 kVpk for Ringwave, 3 kVpk for Combination Wave *Per ANSI/IEEE C62.41.2-2002
<b>Features</b>	Auto Dimming (0-10V) Auto Select Output Voltage (120 or 347 Vac)
<b>Warranty</b>	5 Years TC $\leq 60^{\circ}\text{C}$ 3 Years TC $\leq 70^{\circ}\text{C}$

## Product Specification

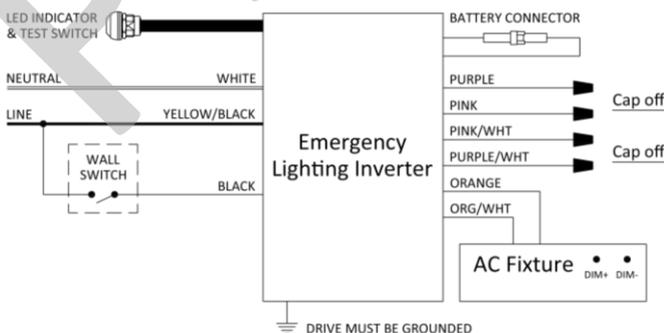


Output Power (W)	Output Voltage (V)	Operating Duration (Minutes)	Operating Temp. ( $^{\circ}\text{C}$ )	Battery Voltage (V)	Battery Charge Current (mA)	Battery Recharge Time	Input Power (W)	Input Current (mA)	Power Factor
10	120/347	Min. 90	0-50	14.4	Max. 250	24Hrs	Max. 14	Max. 120	>0.9

## Wire Diagram



A. With 0-10V dimmer

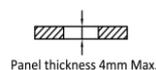


B. Without 0-10V dimmer

Maximum Wiring Distance (at full load) is 18AWG/1000Feet

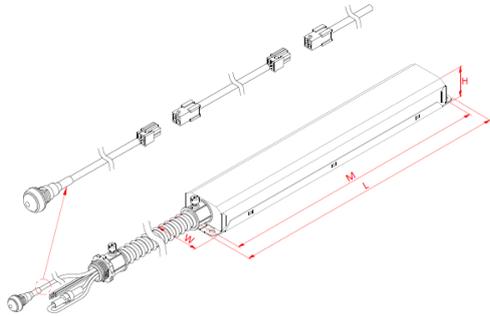
Lead Length	Inch	Cm
White	30.71	78
Yellow/Black	30.71	78
Black	30.71	78
Purple	30.71	78
Pink	30.71	78
Pink/White	30.71	78
Purple/White	30.71	78
Orange	30.71	78
Orange/White	30.71	78
Battery Connector	30.71	78
Test Switch	30.71	78
LED Indicator	23.62	60
Conduit	24	60.96

Mounting hole for test switch





## Enclosure



AM247

Enclosure	Inch	Cm
Length(L)	12.6	32
Width(W)	2.24	5.7
Height(H)	2.05	5.2
Mounting(M)	12	30.5



### Input Wiring

Standard

Isolated Pass Relay

Others



### Power Activate

Yes

No

### Output Lead Type

Standard

Single Conduit

Dual Conduits

Others




### Test Switch

Type

Black & Red

White & Red

White & Translucent

Metal

Image



Red Light

Red Light

Red Light

Red Light

Type

PVC Wire

Fire-Resistant Wire

R-Mount

Customization

Image







### Panel

Type

White

Metal

No Need

Others

Image





## Input Specifications

Parameter	Min.	Typ.	Max.	Notes
Input Voltage	108V	120/347V	381V	Universal Input
Input Current	-	-	0.120A	@120Vac input with full load
Input Frequency	47Hz	60Hz	63Hz	
Transfer Time	-	-	2.0s	From loss of normal power to transfer to emergency mode
Power Factor		> 0.9		
Input Power	-	-	14W	
Inrush Current		<20A		

## Output Specifications

Specification ID	Specification Value	Notes
Output Voltage	Nominal: 120 Vac (+/-5%) Nominal: 347 Vac (+/-5%)	Auto select
Frequency	60 Hz	
Related Output Power	10 W	@ 0.65 leading to 0.65 lagging
Load Power Factor Range	0.65 leading to 0.65 lagging	
Output Configuration Types	Normally on (always on) or, Normally off (emergency only) or, Switched	
Emergency Operation	90 Minutes minimum	@full load
Output Voltage Waveform	Pure sine wave	Resistive load
Output Current THD	Less than 3%	Resistive load

## Load Capacity Characteristic

Specification ID	Without 0-10V Dimming	With 0-10V Dimming
Maximum Steady-State Load	≤ 15.38 VA	≤ 50 W
Emergency Mode Load	≤ 15.38 VA	Dimmed to ≤ 16.92 VA
Overload Capacity	16.92 VA for up to 100 minutes.	0-10V dimming prevents overload



## Other Specifications

Specification ID	Specification Value	Notes
Battery Charge Current	250 mA	Lithium-ion, 3300mAh
Battery Voltage	14.4 V	
Battery Recharge Time	24 h	
Compatible Lighting Loads	LED, Fluorescent, Incandescent	
Remote Distance	1000 ft. (AWG#18 Wire gage)	Remote distance from the inverter to the load is limited by the losses in the wire.
Weight	2 kg	
MTBF	100,000 h	@25°C ambient temperature
Lifespan	75,000 h	Under normal use @ Ta = 50°C

## Test Switch

### Test Switch Operation

With AC power source alive

1. Push and Hold, the unit will transfer from charge mode to discharge mode, the indicator is OFF.
2. Release the test switch, the unit will back to charge mode automatically, the indicator is ON.

## Protection

Parameter	Description
Short Circuit	Auto recovery 10 seconds after the short ckt removed
Over Temperature	Overheat protection with auto recovery feature

## Environmental Specifications

Parameter	Min.	Typ.	Max.	Notes
Operation Temperature	0°C	-	50°C	
Storage Temperature	-20°C	-	55°C	
Humidity	10%	-	90%	
T-Case Temperature	-	-	70°C	

## Regulatory Compliance

Standards
UL 924 Listed
cUL Listed to CSA C22 No. 141
CEC Title 20 approved
RoHS compliant
FCC Part 15 class A compliant



## Revision History

Change date	Description of Change		
	Item	From	To
2025/05/22	1. Battery Specification 2. Enclosure	1. 12.8, Lithium-ion, 3000 mAh 2. AM219 39x5.7x3.3 (38.2) cm	1. 10.8, LiFePO4, 3300mAh 2. AM247 32x5.7x5.2 (30.5) cm
2025/10/14	1. Model Name 2. Transfer Time 3. Battery Specification	1. MEMLEDS50-AC120/347-12.8C HP-FTS 10W 2. 3.0s 3. 12.8V, LiFePO4, 3300mAh	1. IEMMP50-AC120/347 10W 2. 2.0s 3. 14.4V, Lithium-ion, 3000mAh