

LED General Emergency Lighting Solution **LED Emergency Power Supply**

Garnde LED Emergency Power Supply is designed to be used with various types of indoor and outdoor general lighting LED lights such as LED down lights, LED panel lights, LED linear lights, LED high bay lights, LED flood lights, etc.

It can deliver optimum performance in the event of power grid failure by providing emergency lighting, enable the space to maintain a certain brightness for several hours, ensuring safe evacuation and evacuation of people.

With long lifespan LFP lithium batteries, Garnde LED emergency power supply can ensure reliability and a longer shelf life. With options of built-in batteries series and external batteries series, it offers flexibility and convenience in customized solution and installation.

Indoor Usage



EPS series (built-in batteries)

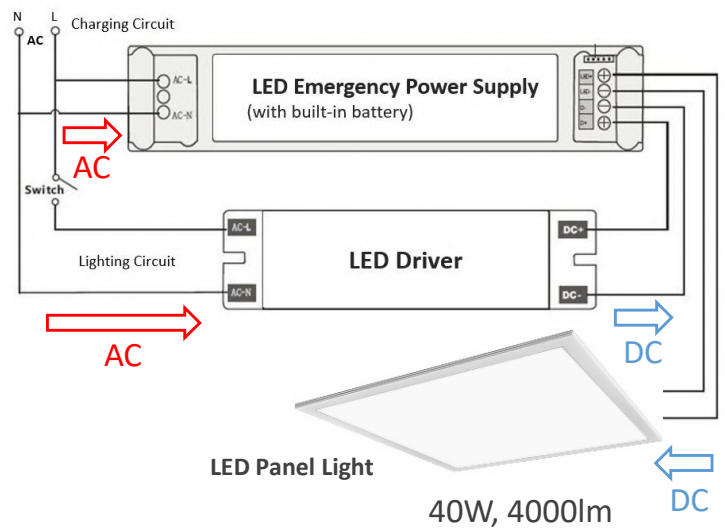
EPSX series (external batteries)

Outdoor Usage



WEPS series (IP67 Waterproof, built-in batteries)

Mains AC Input Lighting State

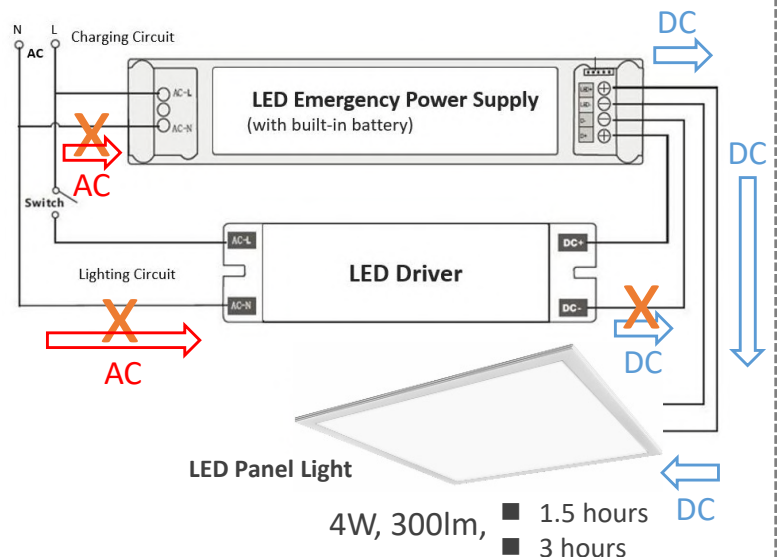


- Mains AC input, LED driver drives LED panel light or similar LED lighting fixture for normal lighting: 40W, 4000lm / panel.
- At same time, mains AC charges the Built-in Battery of *LED Emergency Power Supply*.

in Mains AC power Failure Accident



Emergency Lighting State



- When the power is cut off, LED driver will no longer work.
- The *LED Emergency Power Supply* will start to work immediately to supply power to LED panel light.
- LED panel light in emergency lighting state: 4W, 300lm / panel, 3 hours duration.

18W, 1500lm / downlight

LED Downlight Emergency Lighting Solution



LED Down Light



LED Emergency Power Supply

Model EPS2000-0403

4W, 300lm / downlight
3 hours duration

in Mains Power Failure Accident

LED Emergency Power Supply

Indoor Usage

EPS series

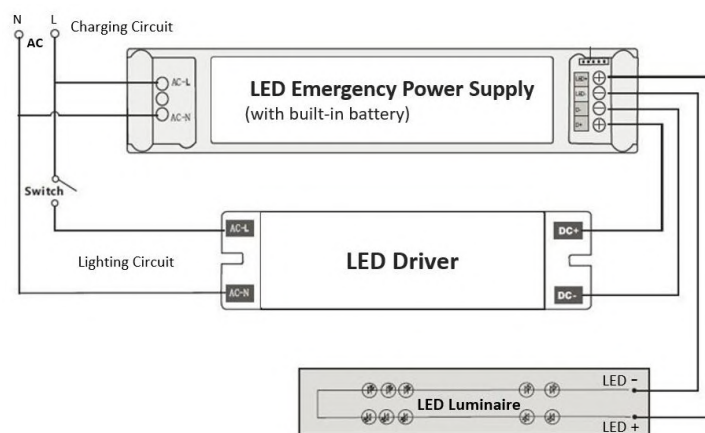
Built-in batteries



IP20 CE

- Only for LED load
- Suitable for a wide range LED load power 0 - 30W
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication lights: green * mains supply, red * charging, red blinking * fault

Connection Diagram



Model No.	EPS850-0301	EPS850-0303
LED Luminaire Power Range	Indoor LED light 0 - 30W	
Max. LED Driver Current Connected	850mA	
Input Voltage	AC100-277V 50-60Hz	
Output Emergency Power	3W	
Output Voltage	DC10V - 80V	
Rated Duration	1.5 hours	3 hours
Built-in Battery	Lithium 3.7V 1.5Ah	Lithium 3.7V 3Ah
Charging Time	24 hours	
Protection	Over-charge Protection, Over-discharge Protection	
Indication LED	Red, Green	
Test Facility	Momentary Test Switch	
Operating Temperature	-10℃ ~ + 50℃	
IP Grade	IP20	
Dimensions	150 x 38 x 28 mm	
Standards/Compliance	IEC 61347-2-7, SS 563	

LED Emergency Power Supply

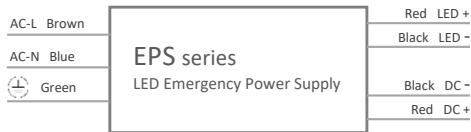
Indoor Usage

EPS series

Built-in batteries

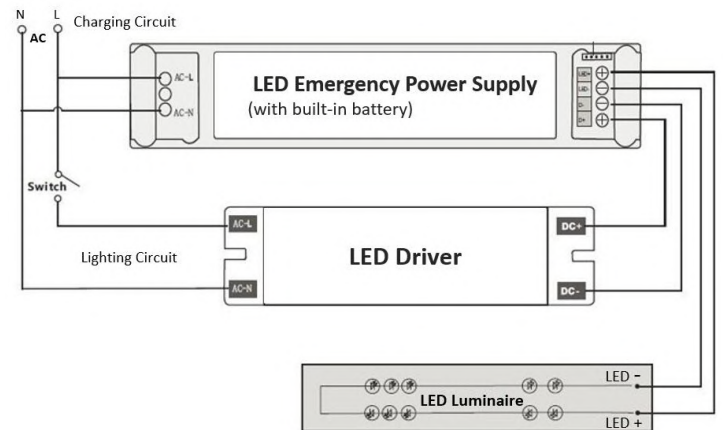


IP40 CE



- Only for LED load
- Suitable for a wide range LED load power 0 - 60W
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication lights: green * mains supply, red * charging, red blinking * fault

Connection Diagram



Model No.	EPS2000-0401	EPS2000-0403
LED Luminaire Power Range	Indoor LED light 0 - 60W	
Max. LED Driver Current Connected	2000mA	
Input Voltage	AC100-277V 50-60Hz	
Output Emergency Power	4W	
Output Voltage	DC10V - 80V	
Rated Duration	1.5 hours	3 hours
Built-in Battery	Lithium 7.4V 1.1Ah	Lithium 7.4V 2.2Ah
Charging Time	24 hours	
Protection	Over-charge Protection, Over-discharge Protection	
Indication LED	Red, Green	
Test Facility	Momentary Test Switch	
Operating Temperature	-10℃ ~ + 50℃	
IP Grade	IP40	
Dimensions	215 x 40 x 28 mm	
Standards/Compliance	IEC 61347-2-7, SS 563	

LED Emergency Power Supply

Indoor Usage

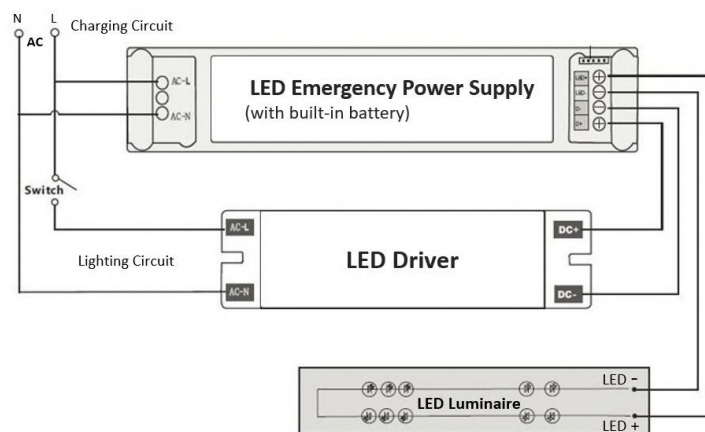
EPSX series



IP20 CE

- Only for LED load
- Suitable for a wide range LED load power 0 - 60W
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication: green * mains supply, red * charging, red blinking * fault

Connection Diagram



Model No.	EPSX2000-0603	EPSX2000-0606	EPSX2000-1203
LED Luminaire Power Range	Indoor LED light 0 - 60W		
Max. LED Driver Current Connected	2000mA		
Input Voltage	AC100-277V 50-60Hz		
Output Emergency Power	6W	6W	12W
Output Voltage	DC10V - 80V		
Rated Duration	3 hours	6 hours	3 hours
Built-in Battery	Lithium 14.8V 1.8Ah	Lithium 14.8V 3.6Ah	Lithium 14.8V 3.6Ah
Charging Time	24 hours		
Protection	Over-charge Protection, Over-discharge Protection		
Indication LED	Red, Green		
Test Facility	Momentary Test Switch		
Operating Temperature	-10°C ~ + 50°C		
IP Grade	IP20		
Dimensions	195 x 20 x 20 mm		
Standards/Compliance	IEC 61347-2-7, SS 563		

40W, 4000lm / panel

LED Panel Emergency Lighting Solution

IP67 Moisture Proof



LED Emergency Power Supply
Model WEPS2500-12-03



LED Panel Light

12W, 1200lm / panel
3 hours duration

in Mains Power Failure Accident

LED Emergency Power Supply

Outdoor Usage

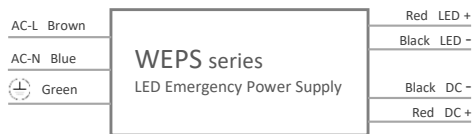
For Wet or Tough Environment

WEPS series

IP67 Waterproof, Built-in LFP batteries

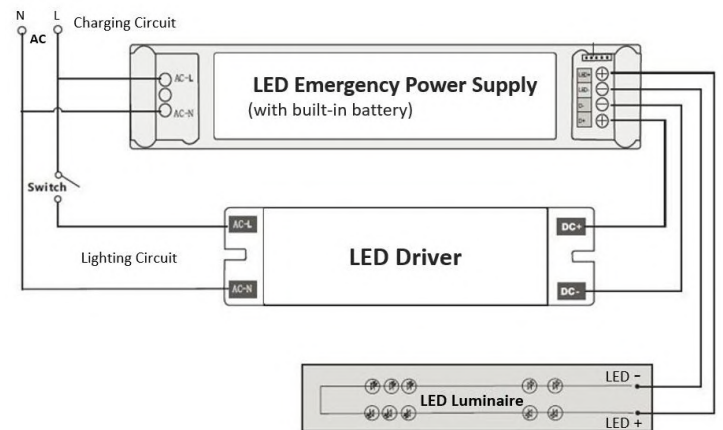


IP67 CE



- Only for LED load
- Suitable for LED load power range options: 0-30W; 0-60W
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication: green * mains supply, red * charging, red blinking * fault

Connection Diagram



	WEPS850-03-01	WEPS850-03-03	WEPS2000-04-01	WEPS2000-04-03
LED Load Power Range	0- 30W		0- 60W	
Max. LED Driver Current	850mA		2000mA	
Input Voltage	AC100-277V 50/60Hz			
Output Voltage	DC10V-80V			
Output Emergency Power	3W		4W	
Rated Duration Time	1.5 hours	3 hours	1.5 hours	3 hours
Built-in LFP Lithium Battery	3.2V 1.5Ah	3.2V 3Ah	6.4V 1.1Ah	6.4V 2.2Ah
Charging Time	24 hours			
Protection	Over voltage protection, overload protection, short-circuit protection, open circuit protection			
Indication LED	Red, Green			
Test Facility	Momentary Test Switch			
IP Grade	IP67			
Operating Temperature	-10°C ~ + 50°C			
Dimensions	165 x 61 x 38 mm			
Standards/Compliance	IEC 61347-2-7, SS 563			

LED Emergency Power Supply

Outdoor Usage

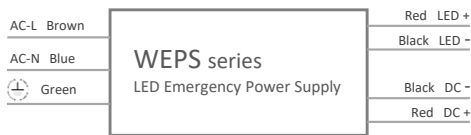
For Wet or Tough Environment

WEPS series

IP67 Waterproof, Built-in LFP batteries

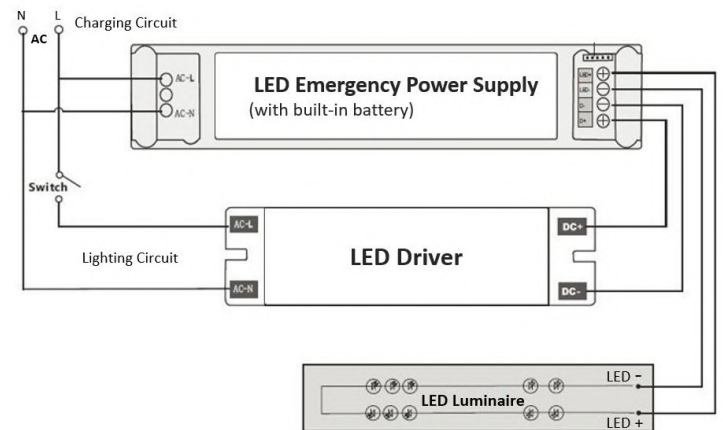


IP67 CE



- Only for LED load
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication: green * mains supply, red * charging, red blinking * fault

Connection Diagram



	WEPS2500-12-01	WEPS2500-12-03	WEPS5500-30-01	WEPS5500-30-03
LED Load Power Range	0 - 100W		100 - 200W	
Max. LED Driver Current	2500mA		5500mA	
Input Voltage	AC100-277V 50/60Hz			
Output Voltage	DC10V-80V			
Output Emergency Power	12W		30W	
Rated Duration Time	1.5 hours	3 hours	1.5 hours	3 hours
Built-in LFP Lithium Battery	6.4V 4Ah	6.4V 8Ah	6.4V 8Ah	6.4V 16Ah
Charging Time	24 hours			
Protection	Over voltage protection, overload protection, short-circuit protection, open circuit protection			
Indication LED	Red, Green			
Test Facility	Momentary Test Switch			
IP Grade	IP67			
Operating Temperature	-10°C ~ + 50°C			
Dimensions	225 x 85 x 45 mm		255 x 85 x 45 mm	
Standards/Compliance	IEC 61347-2-7, SS 563			



200W, 28000lm / light

LED High Bay Light Emergency Lighting Solution

IP67 Moisture Proof



LED Emergency Power Supply
Model WEPS8000-60-03



LED High Bay Light



60W, 8000lm / light
3 hours duration

in Mains Power Failure Accident

LED Emergency Power Supply

Outdoor Usage

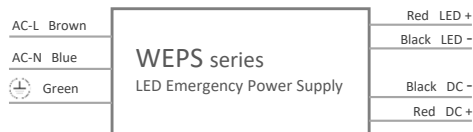
For Wet or Tough Environment

WEPS series

IP67 Waterproof, Built-in LFP batteries

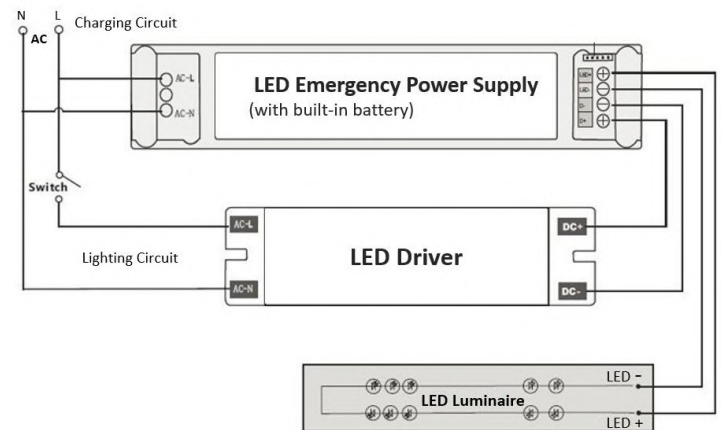


IP67 CE



- Only for LED load
- To power a LED luminaire at a reduced lumen flux
- Automatically activated in the event of power cuts
- Constant current output
- Over voltage protection, overload protection, short-circuit protection, open circuit protection
- Over-charge protection, over-discharge protection, over-temperature protection of built-in battery
- Quarterly self-inspection function
- Indication: green * mains supply, red * charging, red blinking * fault

Connection Diagram



	WEPS8000-60-01	WEPS8000-60-03	WEPS12000-100-01	WEPS12000-100-03
LED Load Power Range	200 - 300W		300 - 500W	
Max. LED Driver Current	8000mA		12000mA	
Input Voltage	AC100-277V 50/60Hz			
Output Voltage	DC25V-85V			
Output Emergency Power	60W		100W	
Rated Duration Time	1.5 hours	3 hours	1.5 hours	3 hours
Built-in LFP Lithium Battery	6.4V 16Ah	6.4V 32Ah	12.8V 15Ah	12.8V 30Ah
Charging Time	24 hours			
Protection	Over voltage protection, overload protection, short-circuit protection, open circuit protection			
Indication LED	Red, Green			
Test Facility	Momentary Test Switch			
IP Grade	IP67			
Operating Temperature	-10°C ~ + 50°C			
Dimensions	255 x 120 x 55 mm			340 x 120 x 55 mm
Standards/Compliance	IEC 61347-2-7, SS 563			

GARNDE

Garnde Lighting Technology Corp.

1377 Jianlan Road, Hi-Tech Zone

Ningbo 315000, Zhejiang, China

Tel: +86 574 8901 9228

Email: admin@garnde.com

www.garnde-lighting.com