

Model OMS-EP60W-12V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMS-EP60W-12V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Class 2
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location
Max Ambient Temp	50 °C

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
100	277	ac	50/60	66	66	1.06	1.06

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	--	--	5	5	CV

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Model OMP-EP100PFC-12V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMP-EP100PFC-12V
Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Isolated
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	--	1.2	1.2

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	100	100	8.3	8.3	--

Model OMP-EP120W-12V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMP-EP120W-12V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Class 2
Enclosure Required?	requires an electrical enclosure
Environmental Suitability	Wet, Damp or Dry Location
Max Ambient Temp	50 °C

NON-STANDARD CONDITIONS OF USE

1. Rated output loading for LED drivers was achieved using electronic loads. The temperature tests were performed at nominal 45 °C ambient.
2. During temperature testing of the end product, evaluation of this component can be limited to the temperature at the Test Measurement Point Tc. The absolute value at this point cannot exceed 76.5 °C
3. Transformer and PFC of this product utilize UL Recognized OBJY2 Class 130 (B) electrical insulation system.
4. These products are provided with 18 AWG, stranded, leads, rated 105 °C, 300 V minimum for input connections. And provided with 16 AWG, 300 V, 105 °C for output connections. Acceptability of the input lead wire being smaller than 18 AWG is to be determined as part of the end product evaluation.
5. These products have multiple outputs. Interconnection of these outputs has not been evaluated. Additional evaluation may not be necessary in LED luminaire designs where 1)- the output pairs are separated/ isolated and 2)- LED driver output connections other than the intended termination pairs is not possible.
6. LED driver or power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1 in. unless temperature tested.
7. Two or more adjacent LED drivers or LED power supplies shall not be mounted closer than 1 in. end to end or 4 in. side to side unless temperature tested for the application.

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	137	137	1.14	1.14

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	60	60	5	5	CV
12	12	dc	--	60	60	5	5	CV

Report Date: 2026-08-21
Revision Date: 2026-08-19

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Model OMP-EP150PFC-12V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMP-EP150PFC-12V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Isolated
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	--	1.8	1.8

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	150	150	12.5	12.5	--

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Model OMP-EP200PFC-12V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMP-EP200PFC-12V
Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Isolated
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	--	2.5	2.5

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	200	200	16.6	16.6	--

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Model OMP-EP300PFC-12V

File Number: E528990

COMPANY

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903~907 SmartSquare, 1, Maehwasandan 3-gil
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MODEL INFO

OMP-EP300PFC-12V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Isolated
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	--	3.5	3.5

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
12	12	dc	--	60	60	25	25	--

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Model OMS-EP60W-24V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMS-EP60W-24V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Class 2
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location
Max Case Temp	71.2 °C

STANDARD CONDITIONS OF USE

1. Rated output loading for LED drivers was achieved using electronic loads. The temperature tests were performed at nominal 40 °C ambient.
2. Temperature tests were performed according to Supplement SG. During temperature testing of the end product, evaluation of this component can be limited to the temperature at the Test Measurement Point Tc. The absolute value at this point cannot exceed 71.2 °C. See III. 1 for the location of the Tc point.
3. These products utilize a Class A (105) electrical insulation system.
4. These products are provided with 18 AWG, stranded, leads, rated 105 °C, 300 V minimum for input connections. And provided with 16 AWG, 300 V, 105 °C for output connections.
5. These products have been evaluated for use with a source of supply noted in the product characteristics table (input type) and electrical ratings noted in the electrical ratings table. Suitability of these products with other sources of supply or electrical ratings is to be determined in the end product.

6. These products are marked suitable for damp locations.
7. The LED Power Supply is intended for built-in factory assembled sign use, where the suitability of the enclosure, mounting, and input/output connections shall be considered in the end product.
8. LED driver or power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1 in. unless temperature tested.
9. Two or more adjacent LED drivers or LED power supplies shall not be mounted closer than 1 in. end to end or 4 in. side to side unless temperature tested for the application

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	68	--	1.06

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
24	24	dc	--	--	68	--	2.5	CV

Report Date: 2024-04-23
Revision Date: 2026-01-29

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Model OMS-EP96W-24V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMS-EP96W-24V

Drivers

SIGN ACCESSORIES

VALUE

Application	LED Lighting
Component Type	Drivers
Circuit Type	Class 2
Enclosure Required?	may require an enclosure (to be determined in the end use)
Environmental Suitability	Wet, Damp or Dry Location
Max Case Temp	62.8 °C

STANDARD CONDITIONS OF USE

1. Rated output loading for LED drivers was achieved using electronic loads. The temperature tests were performed at nominal 40 °C ambient.
2. Temperature tests were performed according to Supplement SG. During temperature testing of the end product, evaluation of this component can be limited to the temperature at the Test Measurement Point Tc. The absolute value at this point cannot exceed 62.8 °C. See III. 1 for the location of the Tc point.
3. These products utilize a Class A (105) electrical insulation system.
4. These products are provided with 18 AWG, stranded, leads, rated 105 °C, 300 V minimum for input connections. And provided with 16 AWG, 300 V, 105 °C for output connections.
5. These products have been evaluated for use with a source of supply noted in the product characteristics table (input type) and electrical ratings noted in the electrical ratings table. Suitability of these products with other sources of supply or electrical ratings is to be determined in the end product.

6. These products are marked suitable for damp locations.
7. The LED Power Supply is intended for built-in factory assembled sign use, where the suitability of the enclosure, mounting, and input/output connections shall be considered in the end product.
8. LED driver or power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1 in. unless temperature tested.
9. Two or more adjacent LED drivers or LED power supplies shall not be mounted closer than 1 in. end to end or 4 in. side to side unless temperature tested for the application

INPUT RATINGS

Input Voltage Minimum (v)	Input Voltage Maximum (v)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (w)	Input Power Maximum (w)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	--	110	--	1.44

OUTPUT RATINGS

Output Voltage Minimum (v)	Output Voltage Maximum (v)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (w)	Output Power Maximum (w)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
24	24	dc	--	--	96	--	4	CV

Report Date: 2024-04-23
Revision Date: 2026-01-29

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File Number: E528990

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Siheung-si, Gyeonggi-do 14931 Republic of Korea

OMP-EP192W-24V Drivers

SIGN ACCESSORIES		VALUE
Application		LED Lighting
Component Type		Drivers
Circuit Type		Class 2
Enclosure Required?	may require an enclosure (to be determined in the end use)	
Environmental Suitability	Damp or Dry Location Only	
Max Case Temp		90 °C

STANDARD CONDITIONS OF USE

Rated output loading for LED driver(s) was achieved using electronic loads. The temperature tests were performed at nominal 45 °C ambient.

Temperature tests were performed according to Supplement SG. During temperature testing of the end product, evaluation of this component can be limited to the temperature at the Test Measurement Point Tc. The absolute value at this point cannot exceed 90.0 °C. See III. 1 for the location of the Tc point.

This product utilize a UL Recognized OBJY2 Class 130 (B) electrical insulation system.

This product is provided with 18 AWG, stranded, leads, rated 105 °C, 300 V minimum for input connections. And provided with 16 AWG, 300 V, 105 °C for output connections.

This product has been evaluated for use with a source of supply noted in the product characteristics table (input type) and electrical ratings noted in the electrical ratings table. Suitability of these products with other sources of supply or electrical ratings is to be determined in the end product.

This product is marked suitable for damp locations.

The LED Power Supply is intended for built-in factory assembled sign use, where the suitability of the enclosure, mounting, and input/output connections shall be considered in the end product.

This product has multiple outputs. Interconnection of these outputs has not been evaluated. Acceptability of interconnection of these outputs (and the associated circuits) is to be considered as part of the end product evaluation.

LED driver or power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1 in. unless temperature tested.

Two or more adjacent LED drivers or LED power supplies shall not be mounted closer than 1 in. end to end or 4 in. side to side unless temperature tested for the application.

INPUT RATINGS

Input Voltage Minimum (V)	Input Voltage Maximum (V)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (W)	Input Power Maximum (W)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	210	--	2	--

OUTPUT RATINGS								
Output Voltage Minimum (V)	Output Voltage Maximum (V)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (W)	Output Power Maximum (W)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
24	--	dc	--	96	--	4	--	CV
24	--	dc	--	96	--	4	--	CV

OMP-EP192W-24V | UL Product iQ

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Model OMP-EP288W-24V

File Number: E528990

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

OMP-EP288W-24V
Drivers

SIGN ACCESSORIES		VALUE
Application		LED Lighting
Component Type		Drivers
Circuit Type		Class 2
Enclosure Required?	may require an enclosure (to be determined in the end use)	
Environmental Suitability		Damp or Dry Location Only
STANDARD CONDITIONS OF USE		

1. Rated output loading for LED drivers was achieved using electronic loads. The temperature tests were performed at nominal 45 °C ambient.
2. Temperature tests were performed according to Supplement SG. During temperature testing of the end product, evaluation of this component can be limited to the temperature at the Test Measurement Point Tc. The absolute value at this point cannot exceed 80.3 °C. See Ill. 1 for the location of the Tc point.
3. These products utilize a UL Recognized OBJY2 Class 130 (B) electrical insulation system.
4. These products are provided with 18 AWG, stranded, leads, rated 105 °C, 300 V minimum for input connections. And provided with 16 AWG, 300 V, 105 °C for output connections.
5. These products have been evaluated for use with a source of supply noted in the product characteristics table (input type) and electrical ratings noted in the electrical ratings table. Suitability of these products with other sources of supply or electrical ratings is to be determined in the end product.
6. These products are marked suitable for damp locations.
7. The LED Power Supply is intended for built-in factory assembled sign use, where the suitability of the enclosure, mounting, and input/output connections shall be considered in the end product.
8. This product has multiple outputs. Interconnection of these outputs has not been evaluated. Acceptability of interconnection of these outputs (and the associated circuits) is to be considered as part of the end product evaluation.
9. LED driver or power supply spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be 1 in. unless temperature tested.
10. Two or more adjacent LED drivers or LED power supplies shall not be mounted closer than 1 in. end to end or 4 in. side to side unless temperature tested for the application.

INPUT RATINGS

Input Voltage Minimum (V)	Input Voltage Maximum (V)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (W)	Input Power Maximum (W)	Input Current Minimum (A)	Input Current Maximum (A)
120	277	ac	50/60	310	--	2.6	--

OUTPUT RATINGS								
Output Voltage Minimum (V)	Output Voltage Maximum (V)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (W)	Output Power Maximum (W)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
24	--	dc	--	96	--	4	--	CV
24	--	dc	--	96	--	4	--	CV
24	--	dc	--	96	--	4	--	CV

OMP-EP288W-24V | UL Product iQ

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Sign Accessories - Component

COMPANY

E-POWER Co Ltd

903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

E528990

Marking: Company name and model designation.

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Drivers, Model(s): [IPS-EP100W-24V](#), [IPS-EP60W-12V](#), [IPS-EP60W-24V](#), [OMP-EP100PFC-12V](#), [OMP-EP150PFC-12V](#), [OMP-EP192W-24V](#), [OMP-EP200PFC-12V](#), [OMP-EP288W-24V](#), [OMP-EP300PFC-12V](#), [OMP-EP60PFC-12V](#), [OMS-EP60W-12V](#), [OMS-EP96W-24V](#)

Last Updated on 2024-09-04

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Model IPS-EP60W-24V

File Number: E528990

COMPANY

E-POWER Co Ltd
903~907 SmartSquare, 1, Maehwasandan 3-gil
Siheung-si, Gyeonggi-do 14931 Republic of Korea

MODEL INFO

IPS-EP60W-24V
Drivers

SIGN ACCESSORIES		VALUE
Application		LED Lighting
Component Type		Drivers
Circuit Type		Class 2
Enclosure Required?		may require an enclosure (to be determined in the end use)
Environmental Suitability		Damp or Dry Location Only
Max Case Temp		87.5 °C
Max Ambient Temp		50 °C

INPUT RATINGS							
Input Voltage Minimum (V)	Input Voltage Maximum (V)	Input AC/DC	Input Frequency (Hz)	Input Power Minimum (W)	Input Power Maximum (W)	Input Current Minimum (A)	Input Current Maximum (A)
100	277	ac	50/60	68	68	1.073	1.073

OUTPUT RATINGS								
Output Voltage Minimum (V)	Output Voltage Maximum (V)	Output AC/DC	Output Frequency (Hz)	Output Power Minimum (W)	Output Power Maximum (W)	Output Current Minimum (A)	Output Current Maximum (A)	Constant Current/Voltage
24	24	dc	--	--	--	2.5	2.5	CV

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