The trusted value of OSRAM Digital Systems continues with Inventronics Global - where experience meets innovation.

OT 60/220-240/24 DIM P (INVENTRONICS LABELLED)

CV Power supplies 24 V with 1...10 V

Product family features

- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30...+55 °C
- Lifetime: up to 50,000 h (temperature at max. t)
- Dimmable via fully isolated 1...10 V interface



Product family benefits

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electronical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible
- Dimming range: 1...100 %

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OSRAM Product - technical datasheet

Areas of application

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

Specifications are subject to changes without notice.

Technical data

Electrical data

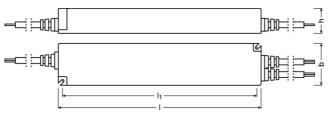
Nominal input voltage	220240 V
Mains frequency	060 Hz
Input voltage AC	198264 V
Input voltage DC	176276 V
Total harmonic distortion	< 15 %
Power factor λ	0.95
Efficiency in full-load	86 % ¹⁾
Device power loss	7.8 W
Inrush current	30 A
Max. ECG no. on circuit breaker 10 A (B)	21
Max. ECG no. on circuit breaker 16 A (B)	34
Surge capability (L/N-Ground)	not relevant
Surge capability (L-N)	4 kV
Nominal output voltage	24.2 V
U-OUT (working voltage)	30 V
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	60 W
Maximum output power	60 W ²⁾
Galvanic isolation	SELV

1) at 230 V, 50 Hz

2) at steady state

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Dimensions & weight



	000.0
Length	208.0 mm
Width	43.0 mm
Height	26.0 mm
Mounting hole spacing, length	199.0 mm
Mounting hole spacing, width	not relevant mm
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ²
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Product weight	420.00 g

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

Ambient temperature range	-30+55 °C
Maximum temperature at tc test point	0° 00
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40+85 °C
Permitted rel. humidity during operation	585 % ¹⁾

1) Maximum 56 days/year at 85 %

Product - technical datasheet

Lifespan	
ECG lifetime	50000 h
Capabilities	
Dimmable	Yes
Dimming interface	110 V
Dimming range	1100 %
Dimming method	Pulse Width Modulation
Suitable for fixtures with prot. class	II.
Type of connection, output side	Terminal
Number of channels	1
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	Yes

Certificates & standards

Approval marks – approval	ENEC / RCM / CCC / EAC		
Standards	EN 61347-1 / EN 61347-2-13 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 60598-1 / EN 62384		
Type of protection	IP66		
ogistical data			
mmodity code 85044083900			
•	85044083900		
Environmental information	EU Regulation (EC) 1907/2006 (REACh)		
Environmental information			
Environmental information	EU Regulation (EC) 1907/2006 (REACh)		
Environmental information Information according Art. 33 of E Date of Declaration	EU Regulation (EC) 1907/2006 (REACh) 11-06-2025		
Environmental information Information according Art. 33 of E Date of Declaration Primary Article Identifier	EU Regulation (EC) 1907/2006 (REACh) 11-06-2025 4052899545847 6977770438385		

OSRAM Product - technical datasheet

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Specifications are subject to changes without notice.

Download Data

File				
Brochures	PDF	OPTOTRONIC constant-voltage LED power supplies and controls (EN)		
Product Datasheet	PDF	Datasheet OT 60/220-240/24 DIM P		
Certificates	PDF	CCC Certificate No. 2018011002043864		
Certificates	PDF	►OT 20-60 ENEC 64142235012802 CERT U6 0125		
Declarations of conformity	PDF	►OT 24V P CE 3537796 10 181224		
User instruction	PDF	OPTOTRONIC® LED Power Supply		

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899545847 OSRAM	OT 60/220-240/24 DIM P	Shipping carton box 20 Pieces	334 x 310 x 194 mm	20.09 dm ³	480.25 g
6977770438385 INVENTRONICS	OT 60/220-240/24 DIM P	Shipping carton box 20 Pieces	334 x 310 x 194 mm	20.09 dm³	480.25 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.