

PRODUCT DATASHEET OT 250/220...240/24 P

CV Power supplies 24 V | CV Power supplies 24 V



Areas of application

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

Product 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

Product 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. $t_{\rm C}$)

TECHNICAL DATA

Electrical data

Nominal wattage	2250.00 W
Nominal output power	250 W
Nominal voltage	220240 V
Nominal output voltage	24.2 V
Input voltage AC	198264 V
Input voltage DC	176250 V
Inrush current	75 A
Mains frequency	0/60 Hz
Total harmonic distortion	< 15 %
Power factor λ	0.95
ECG efficiency	92 %
Device power loss	21.7 W
Max. ECG no. on circuit breaker 10 A (B)	3
Max. ECG no. on circuit breaker 16 A (B)	8
Max. ECG no. on circuit breaker 25 A (B)	13
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Galvanic isolation	SELV

Dimensions & Weight



Length	265.00 mm
Mounting hole spacing, length	250,0 mm
Width	68.00 mm
Height	40.00 mm
Cable cross-section, input side	1 mm ²
Cable cross-section, output side	1.5 mm ²
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Product weight	1340.00 g

Colors & materials

Casing material	Metal
Body material	Metal
emperatures & operating conditions	
Ambient temperature range	-30+55 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % ¹⁾
) Maximum 56 days/year at 85 %	
ifespan	
ECG lifetime	50000 h
Additional product data	
Encapsulated	Yes
Capabilities	
Dimmable	No
Overheating protection	Yes
Overload protection	Yes
No-load proof	Yes
Short-circuit protection	Yes
Suitable for fixtures with prot. class	1
Type of connection, output side	Cables
Certificates & Standards	
Approval marks – approval	ENEC / RCM / CCC / EAC
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 60598-1 / Acc. to EN 62384
Protection class	1
Type of protection	IP66/IP67

DOWNLOAD DATA

Temperature range at storage

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC® LED Power Supply

-40...+85 °C

	Documents and certificates	Document name
POF	Declarations of conformity	EU Declaration of Conformity 3537796
POF	Declarations of conformity	EU Declaration of Conformity OT 24V P_DIMP
POF	Declarations of conformity	Attestation of Conformity No. N8A 18 01 84117 054
PDF	Declarations of conformity	Attestation of Conformity No. E8A 18 01 84117 049
PDF	Certificates	CB Test Certificate No. SG PSB-LE-00906
PDF	Certificates	ENEC Certificate No. U6 18 01 84117 048
POF	Certificates	CCC Certificate No. 2018011002043871

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899546028	Folding box 1	326 mm x 88 mm x 51 mm	1385.00 g	1.46 dm ³
4052899546035	Shipping box 10	459 mm x 344 mm x 144 mm	14752.00 g	22.74 dm ³

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.