

OT 30/220...240/12 P

CV Power supplies 12 V



Areas of application

- Suitable for indoor and outdoor installations
- Ideal for mounting in very tight spaces

Product family benefits

- Versatile scope of application due to output power range of up to 120 W
- Very high efficiency
- IP rating: up to IP67
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

Technical data

Electrical data

| | |
|------------------------------------------|---------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage AC | 198...264 V ¹⁾ |
| Total harmonic distortion | < 20 % |
| Power factor λ | 0.95/0.90 ²⁾ |
| ECG efficiency | 85 % ³⁾ |
| Device power loss | 5.0 W |
| Inrush current | 30 A ⁴⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 13 |
| Max. ECG no. on circuit breaker 16 A (B) | 21 |
| Max. ECG no. on circuit breaker 25 A (B) | - |
| Surge capability (L-N) | 4 kV |
| Nominal output voltage | 12.5 V ⁵⁾ |
| U-OUT (working voltage) | 12.5 V |
| Nominal output power | 30 W ⁶⁾ |
| Galvanic isolation | SELV equivalent |
| Galvanic isolation primary/secondary | 3.75 kV ⁷⁾ |

¹⁾ V_{AC} / Permitted voltage range

²⁾ Full load at 230 V/Half load at 230 V

³⁾ At full load and 230 V

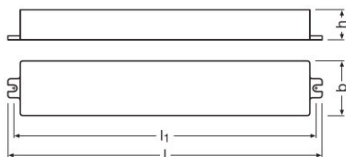
⁴⁾ $t_{width} = 170 \mu s$ (measured at 50 % I_{peak})

⁵⁾ $\pm 0.5 V$

⁶⁾ Partial load 0...30 W

⁷⁾ SELV-equivalent

Dimensions & weight



| | |
|-------------------------------|----------|
| Mounting hole spacing, length | 213.0 mm |
|-------------------------------|----------|

Product datasheet

| | |
|--------------------------------------|-----------------------------------|
| Product weight | 330.00 g |
| Cable cross-section, input side | 1.0 mm ² ¹⁾ |
| Cable cross-section, output side | 1.0 mm ² ¹⁾ |
| Wire preparation length, input side | 10 mm |
| Wire preparation length, output side | 10 mm |
| Cable/wire length, input side | 300 mm |
| Cable/wire length, output side | 300 mm |
| Length | 220.0 mm |
| Width | 40.0 mm |
| Height | 22.0 mm |

¹⁾ Flexible

Colors & materials

| | |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

Temperatures & operating conditions

| | |
|------------------------------------------|------------------------|
| Ambient temperature range | -25...+55 °C |
| Maximum temperature at tc test point | 80 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -40...+85 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

¹⁾ Non-condensing

Lifespan

| | |
|--------------|-----------------------|
| ECG lifetime | 50000 h ¹⁾ |
|--------------|-----------------------|

¹⁾ At T_a = 70°C / 10% failure rate

Additional product data

| | |
|--------------|----|
| Encapsulated | No |
|--------------|----|

Capabilities

| | |
|----------------------------------------|----------------------|
| Dimmable | No ¹⁾ |
| Dimming interface | Not dimmable |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| No-load proof | Yes |
| Suitable for fixtures with prot. class | II |
| Number of channels | 1 |

¹⁾ With OPTOTRONIC dimmers

Product datasheet






Certificates & standards

| | |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | CE / ENEC 18 / CB / CCC / RCM / EAC / BIS |
| Standards | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547 |
| Protection class | II |
| Type of protection | IP66 |

Logistical data

| | |
|----------------|--------------|
| Commodity code | 850440829000 |
|----------------|--------------|

Download Data

| File | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  | Product Datasheet 342094_Datasheet_OT 30220-24012 P |
|  | Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN) |
|  | Declarations of conformity 728507_EU Declaration OT |
|  | Declarations of conformity EU Declaration of Conformity 3540579 |
|  | Installation guide 387989_Instruction Sheet OT 30220-24012 P |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|----------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899905542 | OT 30/220...240/12 P | Shipping carton box 30 | 356 mm x 292 mm x 223 mm | 23.18 dm ³ | 12005.00 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.