

# PRODUCT DATASHEET OT 130/220...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.  $t_c$ )

## TECHNICAL DATA

## Electrical data

Nominal wattage	140.00 W
Nominal output power	130 W
Nominal voltage	220240 V
Nominal output voltage	24.2 V
Input voltage AC	198264 V
Input voltage DC	176250 V
Inrush current	60 A
Mains frequency	0/60 Hz
Total harmonic distortion	< 15 %
Power factor $\lambda$	0.95
ECG efficiency	90.5 %
Device power loss	14.7 W
Max. ECG no. on circuit breaker 10 A (B)	8
Max. ECG no. on circuit breaker 16 A (B)	13
Max. ECG no. on circuit breaker 25 A (B)	20
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Galvanic isolation	SELV

# Dimensions & Weight



Length	220.00 mm
Mounting hole spacing, length	207 mm
Width	63.00 mm
Height	37.00 mm
Cable cross-section, input side	1 mm²
Cable cross-section, output side	1 mm <sup>2</sup>
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Product weight	943.00 g

# Colors & materials

Encapsulated Yes	Casing material	Metal		
Ambient temperature range  -30+65°C  Maximum temperature at to test point  80°C  Maximum temperature in case of fault  110°C  Permitted rel, humidity during operation  565% <sup>(1)</sup> Meximum 66 days/year at 85 %  Iffespan  ECG lifetime  50000 h  diditional product data  Encapsulated  Yes  Papabilities  Dimmable  No Overheating protection  Ves  Overload protection  Ves  Short-circuit protection  Yes  Suitable for fixtures with prot. class  I  Type of connection, output side  Cables  Performance  Acc. to EN 61347-1/Acc. to EN 61347-2-13 / Acc. to EN 61000-3-3 / Acc. to EN 61347-4-Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 60398-1 / Acc. to EN 61000-3-3 / Acc. to EN 61000	Body material	Metal		
Maximum temperature at to test point 80 °C  Max.housing temperature in case of fault 110 °C  Permitted ret, humidity during operation 586 % 1)  Maximum 66 days/yeer at 85 % 1  Maximum 66	emperatures & operating conditions			
Meximum 56 daya/yaur at 85 %  Permitted rel. humidity during operation  585 % 1)  Maximum 56 daya/yaur at 85 %  Ifespan  ECG lifetime  50000 h  diditional product data  Encapsulated  Yes  Sapabilities  Dimmable  No  Overheating protection  Yes  Overload protection  Yes  Short-circuit protection  Yes  Short-circuit protection  Yes  Sont-circuit protection  Yes  Short-circuit protection  Yes  Protection output side  Cables  Protection and shart-2-13 / Acc. to EN 61347-2-13 / Acc. to EN 61000-3-3 / Acc. to EN 61347-1 / Acc. to EN 61300-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61500-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61000-3	Ambient temperature range	-30+55 °C		
Permitted rel. humidity during operation  585 % 1)  Maximum 66 days/year at 85 %  iffespan  ECG lifetime  60000 h  cdditional product data  Encapsulated  Yes  Papabilities  Dimmable  Overheating protection  Yes  Overload protection  Yes  Suitable for lixtures with prot. class  I Type of connection, output side  Cables  Sertificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  Approval mark	Maximum temperature at tc test point	80 °C		
Maximum 56 daya/year at 85 %	Max.housing temperature in case of fault	110 °C		
ECG lifetime 50000 h  diditional product data  Encapsulated Yes  Papabilities  Dimmable No Overheating protection Yes Overload protection Yes Short-circuit protection Yes I Type of connection, output side  ENEC / RCM / CCC / EAC Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 50015 / Acc. to EN 61347-1 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Type of protection Insection Insec	Permitted rel. humidity during operation	585 % <sup>1)</sup>		
ECG lifetime 50000 h  additional product data  Encapsulated Yes  Enpabilities  Dimmable No Overheating protection Yes Overload protection Yes  Short-circuit protection Yes Short-circuit protection Yes Suitable for fixtures with prot. class I Type of connection, output side Cables  Pertificates & Standards  Approval marks – approval ENEC / RCM / CCC / EAC  Standards Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61000-3-2 / Acc. to EN 65098-1 / Acc. to EN 62344  Protection class I Type of protection IP66/IP67  OGISTICAL DATA  Temperature range at storage -40+85 °C	) Maximum 56 days/year at 85 %			
Encapsulated  Proapsulated  Yes  Sapabilities  Dimmable  No  Overheating protection  Yes  No-load protection  Yes  Short-circuit protection  Yes  Suitable for fixtures with prot. class  I Type of connection, output side  ENEC / RCM / CCC / EAC  Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  I Type of protection class  I Type of protection  Standards  Protection class  I Pe6/P67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	ifespan			
Encapsulated Yes  Capabilities  Dimmable No Overheating protection Yes Overload protection Yes  Short-circuit protection Yes Suitable for fixtures with prot. class I Type of connection, output side Cables  Certificates & Standards  Approval marks – approval ENEC / RCM / CCC / EAC  Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 65015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 66384  Protection class I Type of protection Pe66/P67  OGISTICAL DATA  Temperature range at storage -40+85 °C	ECG lifetime	50000 h		
Dimmable  No Overheating protection  Yes  Overload protection  Yes  No-load proof  Yes  Short-circuit protection  Yes  Suitable for fixtures with prot. class  I  Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Additional product data			
Dimmable No Overheating protection Yes Overload protection Yes No-load proof Yes Short-circuit protection Yes Short-circuit protection Yes Suitable for fixtures with prot. class I Type of connection, output side Cables Certificates & Standards Approval marks – approval ENEC / RCM / CCC / EAC 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 61000-3-2 / Acc. to EN 61000-3-2 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class I Type of protection P66/P67  OGISTICAL DATA Temperature range at storage -40+85 °C	Encapsulated	Yes		
Overload protection  Yes  No-load proof  Yes  Short-circuit protection  Yes  Suitable for fixtures with prot. class  I  Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 65015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Capabilities			
Overload protection  Yes  No-load proof  Yes  Short-circuit protection  Yes  Suitable for fixtures with prot. class  I  Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  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 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Dimmable	No		
No-load proof Yes Short-circuit protection Yes Suitable for fixtures with prot. class I Type of connection, output side Cables  Pertificates & Standards  Approval marks – approval ENEC / RCM / CCC / EAC Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61000-3-3 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class I Type of protection IP66/IP67  OGISTICAL DATA  Temperature range at storage -40+85 °C	Overheating protection	Yes		
Short-circuit protection  Yes  Suitable for fixtures with prot. class  I  Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  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 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Overload protection	Yes		
Suitable for fixtures with prot. class  Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  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 61000-3-2 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	No-load proof	Yes		
Type of connection, output side  Cables  Certificates & Standards  Approval marks – approval  ENEC / RCM / CCC / EAC  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 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Short-circuit protection	Yes		
Approval marks – approval  ENEC / RCM / CCC / EAC  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 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Suitable for fixtures with prot. class	I		
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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 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I  Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Certificates & Standards			
Standards  Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384  Protection class  I Type of protection  IP66/IP67  OGISTICAL DATA  Temperature range at storage  -40+85 °C	Approval marks – approval	ENEC / RCM / CCC / EAC		
Type of protection IP66/IP67  OGISTICAL DATA  Temperature range at storage -40+85 °C	Standards	Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 /		
OGISTICAL DATA  Temperature range at storage  -40+85 °C	Protection class	I I		
Temperature range at storage -40+85 °C	Type of protection	IP66/IP67		
	OGISTICAL DATA			
OWNLOAD DATA	Temperature range at storage	-40+85 °C		
OOWNLOAD DATA				
	OOWNLOAD DATA			

User instruction

PDF

	Documents and certificates
POF	Declarations Of Conformity CE
POF	Certificates

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899546004	Folding box 1	283 mm x 84 mm x 49 mm	986.00 g	1.16 dm <sup>3</sup>
4052899546011	Shipping box 10	439 mm x 299 mm x 126 mm	10590.00 g	16.54 dm <sup>3</sup>

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.