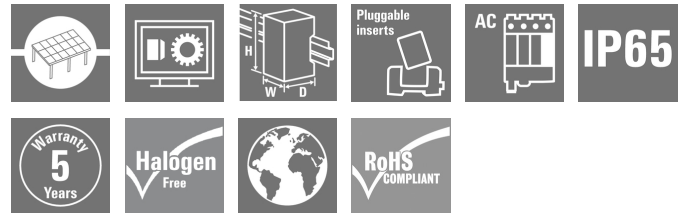


**PV CPCI18TXU3DXAXWXR2WW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Connecting photovoltaic power plants through reliable and safe industrial communications.**

Weidmüller combined its extensive experience with photovoltaic projects and industrial communication to create this portfolio of PV Communication Boxes. For this portfolio we developed 2 different product ranges:

- The “Premium” family is our most robust product. Designed to offer constant connectivity thanks to its back-up power system. And thereby offers you reliability and power in one solution.
- The new “Lite” family offers you the same signal connectivity on site as the “Premium” version, but in a more compact version.

**General ordering data**

Version	Photovoltaics, Assembled enclosure, Communication module, 230 V AC, Surge protection I, Battery powered, Current monitoring, Monitoring components, Voltage monitoring, Limit value monitoring, Communication Box, RJ45
Order No.	<a href="#">8000101635</a>
Type	PV CPCI18TXU3DXAXWXR2WW
GTIN (EAN)	4099986191983
Qty.	1 pc(s).

## PV CPC18TXU3DXAXWXR2WW

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## Technical data

## Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	747 mm	Height (inches)	29.409 inch
Width	536 mm	Width (inches)	21.102 inch
Net weight	26,452.393 g		

## DC electrical properties

Earthing	Directly at the VPU	Rated voltage	230 V
Surge protection AC side	PU I 1+1 LCF 280V/12.5kA, without auxiliary contact	Surge protection WIA RS485 side (string monitoring)	No

## DC inputs

Number of conduit inlets	4	Number of inputs	17
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## DC string monitoring

Monitoring function	Industrial PC, Industrial Ethernet router with 4G and RJ45 ports, Industrial Ethernet managed switch with RJ45 and SC Multi-mode ports, Connection between field devices to SCADA through RS-485	Supply	Battery PRO ECO 72W 24V 3A
Voltage monitoring	Yes		

## Housing

Protection degree	IP65	Type of mounting	Wall mounting
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## Norms and standards

Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020
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## Guarantee

Time interval	5 years
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## Enclosure

Enclosure attachment	Fixing lugs	Impact resistance	IK 10 in accordance with IEC 62262
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Type of mounting	Wall mounting

## General data

Installation location	Protected outdoor area (>1 km from sea)	Protection degree	IP65
Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Surge protection DC side**

Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020
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**Classifications**

ETIM 6.0	EC002928	ETIM 7.0	EC002928
ETIM 8.0	EC003857	ETIM 9.0	EC003857
ECLASS 9.0	22-57-92-03	ECLASS 9.1	22-57-02-90
ECLASS 10.0	22-57-02-90	ECLASS 11.0	22-57-02-92
ECLASS 12.0	22-57-02-92	ECLASS 13.0	22-57-02-92
ECLASS 14.0	22-57-02-92		

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of of conformity utility communication boxes</a>
Engineering Data	<a href="#">Thermal Report</a>
Technical Documentation	<a href="#">Mechanical Drawing</a>
User Documentation	<a href="#">PV Communication Box User Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

