

**PV 220S0F3CXXV100TXPX15LWW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



Standard portfolio for 1 MPPT string inverters  
 Protect and monitor strings in solar parks with string inverters with 1 MPPT.  
 The following PV DC combiner box portfolio is meant to be used with string inverters with one Maximum Power Point Tracker (MPPT) in order to bundle, protect and isolate the number of strings these inverters use. 1 MPPT

**General ordering data**

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, for wall mounting, Switch disconnect, Landscape, String Inverter
Order No.	<a href="#">8000125422</a>
Type	PV 220S0F3CXXV100TXPX15LWW
GTIN (EAN)	4099986891586
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	300 mm	Depth (inches)	11.811 inch
Height	636 mm	Height (inches)	25.0393 inch
Width	847 mm	Width (inches)	33.3464 inch
Net weight	14207.94 g		

**Temperatures**

Ambient temperature	-20 °C...45 °C	Operating temperature	-20°C to +45 °C
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**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1d28ada4-1634-4382-8635-45f6353a6574

**DC electrical properties**

Rated voltage	1500 V	Switching capacity	400 A (DC2 1B 1500 V)
Earthing	Directly at the VPU	Surge protection DC side	1500 V type II with remote contact

**DC inputs**

Cartridge fuse	10 x 85 mm		
Fuse protection	15 A, 16 A, 20 A, 25 A, 30 A, 32 A		
Number of DC inputs	20		
Fused poles of string	+/-		
Connection type, DC input cable	Cable gland		
Connection DC input cable (-)	Screw connection		
Fuse-link standard	gPV (EN 60269-6)		
Amount of maximum power points (MPP)	1		
Functional earth connector	Cable entry	Number of cable entries	1
		Cable diameter, min.	6 mm
		Cable diameter, max.	12 mm
DC Input + & -	Wire connection	Type of connection	M20 Cable gland
	Wire connection	Type of connection	M16 Cable gland
	Cable entry	Number of cable entries	40
		Cable diameter, min.	5 mm
		Cable diameter, max.	10 mm
Connection DC input cable (+)	Screw connection		
Fuse type	Empty fuse holder		
Position of the fuses	positive and negative inputs		
Type of fuse	Empty fuse holder		

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**DC outputs**

DC output cable connection				M10 bolt and nut connection	
Connection type, DC output cable				Screw terminal connectors	
DC Output + & -	Wire connection	Type of connection	M40 Cable gland		
		Wire cross-section, min.	150 mm <sup>2</sup>		
		Wire cross-section, max.	300 mm <sup>2</sup>		
Number of DC outputs		2			
Load circuit breaker with auxiliary contact		No			

**DC string monitoring**

Monitoring function	Non monitored				
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**Housing**

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

Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0				
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**Guarantee**

Time interval	5 years				
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**Classifications**

ETIM 8.0	EC003857	ETIM 9.0	EC003857		
ETIM 10.0	EC003857	ECLASS 14.0	22-57-02-92		
ECLASS 15.0	22-57-02-92				

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**Drawings**

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Drawings

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Combiner Box Name Description

PV 2 24 S0 FX CXX VX OX TXPX 15 P F ES

**PV 1:** PV DC L0 Industrial  
**PV 2:** PV DC L1 Industrial  
**PV 3:** PV DC L2 Industrial

**Number of inputs (01-36)**

**S0:** Switch-disconnector

- S0 → Switch-disconnector (SW)
- S1 → Switch-disconnector with remote disconnection (SW RD)
- S2 → Molded Case Circuit Breaker (MCCB)
- S3 → Motorized switch-disconnector (SW M)
- S4 → Switch-disconnector with Contactor (SW K)
- SX → No Switch-disconnector needed (N/A)

**FX:** Fuses / Fuseholders position

- F0 → Fuses Both Poles
- F1 → Only Positive Fuses
- F2 → Only Negative Fuses
- F3 → Only Fuse Holders
- F4 → Only fuse holder in positive (+)
- F5 → Only fuse holder in negative (-)
- FX → No Fuse holders needed (N/A)

**CXX:** CIL Fuses Type → C 10/15/16/20/25/30/40/50/55/60/63/80 - (Example C10)

**NXX:** NH Fuses Type → N 40/50/63/80/100/125/160/200/250/315/355/400 - (Example N40)

CXX → N/A, NXX → N/A

**VX:** SPD Type

- V0 → SPD Class II / V1 → SPD Class I+II / V2 → SPD Class I
- VX → No SPD needed (N/A)

**Country / Whole World**

**Floating:** YES (F) / NO

**P:** Portrait  
**L:** Landscape

**10:** 1000v  
**15:** 1500v

**TX:** Monitoring Device

- TX → No monitoring (N/A)
- T2 → TC 16i+ (1kV or 1.5kV)
- T5 → TC 2x16i+
- T7 → TC 16iH
- T8 → Others
- T9 → Fronrich
- TA1 → Solar SMS (25A)
- TA2 → Solar SMS (50A)
- TA3 → Solar SMS LoRaWAN (25A)
- TA4 → Solar SMS LoRaWAN (50A)

**PX:** Power Supply for (TX)

- PX → No Power Supply Needed (N/A)
- P0 → Self-Powered (BKE)
- P1 → External Power Supply (PS ACDC)
- PA → Self-Powered (EE)

**OX:** Output type

- OX → No holes needed (N/A)
- O0 → Cable Gland
- O1 → WMAC
- O2 → MCA
- O3 → Multivia CG

