



# PV Combiner Box

**Custom DC Connection Technology for Photovoltaic Systems up to 1,500 V DC**  
**From small commercial rooftop installations to utility-scale solar power plants.**  
**Project-specific design based on string layout and inverter architecture.**

**Designed. Manufactured. Tested. Made in Germany.**



## PROJECT-SPECIFIC

Individually designed and manufactured according to your project requirements.



## FLEXIBLE & MODULAR

Configurable system architecture for maximum project flexibility.



## SAFE & RELIABLE

PV-optimised components for long-term operational reliability.



## MADE IN GERMANY

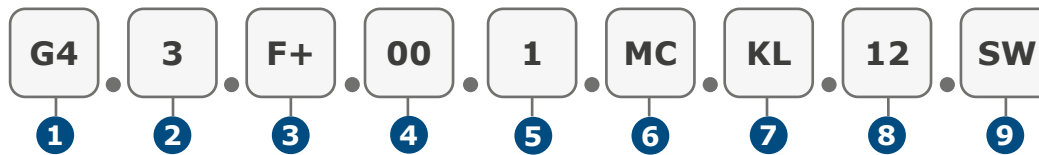
Development, manufacturing and electrical testing in Germany.

<b>Maximum System Voltage</b>	1,500 V DC
<b>Rated Insulation Voltage</b>	1,500 V DC
<b>Maximum String Current (Isc)</b>	Up to 20 A
<b>Strings per MPPT Input</b>	1-24
<b>Strings per MPPT Output</b>	1-24
<b>Number of MPPTs</b>	1-24
<b>Fuse Protection</b>	Fuses +/- (optional)
<b>Blocking Diodes</b>	Diodes +/- (optional)
<b>Surge Protection</b>	Type 1+2 (optional)
<b>Input Connection Technology</b>	MC4-EVO2 or terminal blocks
<b>Output Connection Technology</b>	MC4-EVO2 or terminal blocks
<b>DC Isolator</b>	Optional
<b>Enclosure</b>	Polycarbonate or sheet steel
<b>Protection Rating</b>	Up to IP67
<b>Installation Location</b>	Protected outdoor installation
<b>Applicable Standards</b>	IEC 61439-2, IEC 61439-1, IEC 61643-31, EN 50539-11
<b>Additional Options</b>	String current monitoring, monitoring systems, status signalling and more

**Q3. The Box Makers.**

# Modular Configuration System

## Your Ordering Code – Configure Your Q3 String Combiner Box



<b>1</b> Product Type   Number of MPPTs	Generator Junction Box (PV Combiner Box)   1-24
<b>2</b> Strings per MPPT Input	1-24
<b>3</b> Fuse Protection +   Blocking Diodes +   None	F+ = Positive Fuse Protection   D+ = Positive Blocking Diode   00 = none
<b>4</b> Fuse Protection -   Blocking Diodes -   None	F- = Negative Fuse Protection   D- = Negative Blocking Diode   00 = none
<b>5</b> Strings per MPPT Output	1-24
<b>6</b> Input Connection Technology	MC = MC4-EVO2   KL = Terminal Blocks
<b>7</b> Output Connection Technology	MC = MC4-EVO2   KL = Terminal Blocks
<b>8</b> Surge Protection Device (SPD)	00 = without SPD   12 = Type 1+2 SPD
<b>9</b> Options	SW = DC Isolator

### Example Configuration

**G4.3.F+.00.1.MC.KL.12.SW**

- 4 MPPTs
- 3 strings per MPPT input
- Fuse protection on positive conductor
- No fuse protection or blocking diode on negative conductor
- 1 string per MPPT output
- MC4-EVO2 input
- Terminal block output
- Type 1+2 surge protection
- Integrated DC isolator



**Custom Configurations Available**  
We design and manufacture every DC combiner box according to your project requirements.



**Request Your Project-Specific Configuration**  
Scan the QR code and submit your string layout.

Disclaimer: Information provided without guarantee. Technical modifications, errors and omissions excepted. Q3 assumes no liability for damages arising from incorrect or incomplete information.

  
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