

**SMALL
PV JUNCTION BOX**

CF1501-01/02

FEATURE HIGHLIGHTS



- One diode design for Crystalline or thin film modules with current lower than 5A
- Cost effectiveness solution for small modules
- Customer design is accepted

- No diode design for Crystalline or thin film modules with low current
- Cost effective solution for small modules
- Customer design is accepted

TECHNICAL SPECIFICATION

Part No.	CF1501-01	CF1501-02
Ambient Temperature Range	-40 C to 85 C	-40 C to 85 C
Storage Temperature Range	-40 C to 85 C	-40 C to 85 C
Cooling Method	Potting	Potting
Dimensions (mm)	See the Dimension Drawing	See the Dimension Drawing
Degree of protection	IP67	IP68
Contact Material	Copper H62 Tin-plated	Copper H62 Tin-plated
Insulation Material	PPE+PS	PPE+PS
Flame class	UL94 5VB	UL94 5VB
Diode Type	ER506	/
Number of Bypass Diodes	1	0
Number of Bus Ribbons	2	2
Connection of Bus Ribbons	Welding/Soldering	Welding/Soldering
Diode Junction Temp Max Under Forward Current	200 C	/
Current Rating	5 A	5 A
Max Reverse Current	20 A	20 A
Rated String Voltage	1000 V IEC	1000 V IEC
Max Withstand Voltage	12 kV	12 kV
Cabling Type	PV1-F / PV Wire	PV1-F / PV Wire
Cable Length	600 mm / Customized	600 mm / Customized
Connector	PV2 / Customized	/
Wire Cross Section	1×2.5 mm ² , 14 AWG	1×2.5 mm ² , 14 AWG
Outer Cable Diameter	6.0±0.2 mm	5.0±0.2 mm