



FRIENDS TECHNOLOGY

福莱德科技

# CF1501-01 PHOTOVOLTAIC JUNCTION BOX



- Junction box for electric connection of bus ribbons on thin film modules and silicon modules with low current
- The junction box is fixed to the panel with silicone
- The refined structure provides better heat dissipation and reliable long-term work condition
- The product is designed based on international standards

## SYSTEM CERTIFICATES

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007



 CHANGSHU FRIENDS CONNECTOR TECHNOLOGY CO., LTD.



### ADDRESS

2 Zhongtian Road, Changkun Industrial Park,  
Changshu, Jiangsu, China



### CONTACT

Tel: +86 512-52503618 / 52477866  
Fax: +86 512-52477355  
Email: frd@frdsolar.com



### WEBSITE

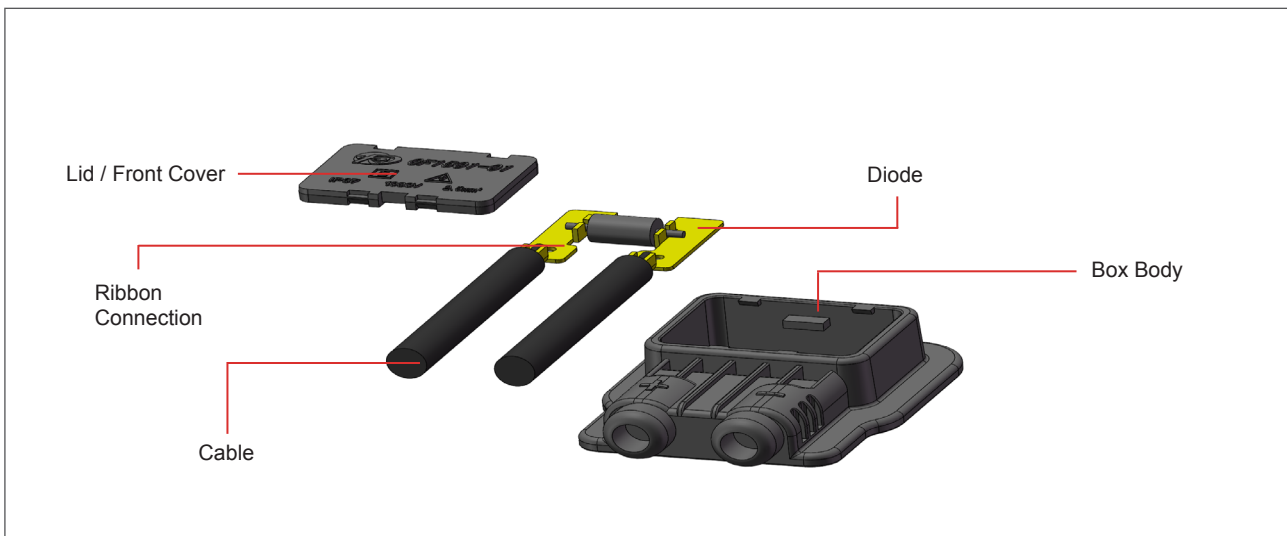
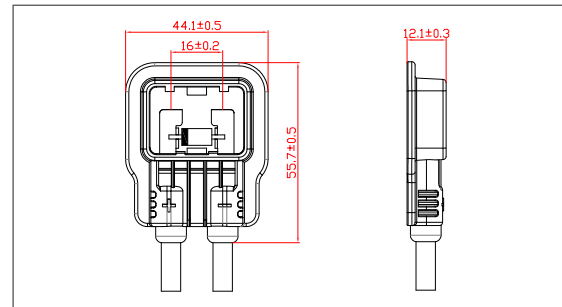
[www.frd solar.com](http://www.frd solar.com)



## TECHNICAL DATA

Ambient Temperature Range	-40 C to 85 C
Storage Temperature Range	-40 C to 85 C
Cooling Method	Potting
Dimensions (with cover)	See the drawing
Degree of protection	IP 67
Contact Material	Copper, T2 tin plated, H62
Insulation Material	PPE + PS
Flame class	UL 94 5VB

## DIMENSION DRAWING



<b>Part number</b>	<b>CF1501-01</b>
Diode Type	ER 506
Number of Bypass Diode	1
Number of Bus Ribbons	2
Connection of Bus Ribbons	Soldering / Welding
Diode Junction Temp Max Under Forward Current	200 C
Current Rating	5 A
Max Reverse Current	20 A
Rated String Voltage	1000 V IEC
Max Withstand Voltage	12 kV
Cabling Type	PV1-F / PV Wire
Cable Length	1.0 m / Customized
Connector	PV2 / Customized
Wire Cross Section	1×2.5 mm <sup>2</sup> , 14 AWG
Outer Cable Diameter	6.0 ± 0.2 mm

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