

Energy Flow in one Direction



UNIFLOW

Step Towards a Greener Earth

SOLAR PRODUCTS

HEMANT AQUA SOLUTIONS PVT. LTD.



UNIFLOW
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SPLIT JUNCTION BOX



Product Overview

The **UNIFLOW** Split PV Junction Box adopts a split design to ensure high power output across varying environmental conditions. Its horizontal outlet mode allows customers to minimize wire bending and stress, effectively saving on cable consumption.

The simplified circuit design minimizes power loss, while the "hot spot effect" is divided into three parts to reduce high-temperature damage to the battery panel.

Available Models

Diode Model	Product Code	Rated Current
30MK045	JB011	20A
40MK045	JB012	25A
50MK045	JB013	30A

Technical Specifications

Certifications	TUV
Certificate No	B 132787 0001
Rated Voltage	1500VDC
Max Working Voltage	1500V DC
Rated Current	20A, 25A & 30A
Reverse Current	55A
Ambient Temp	-40°C to +85°C
Protection Degree	IP68 (1m,1h)
Pollution Degree	1 (after potting)
Flame Class	UL94-V0
Connection Method	PV Cable With PV Connectors
Connecting Cable	4 sqmm, 1500VDC
Connector	1500 VDC , 41 A
Rated Current	30A / 40A / 50A
Application	A
Contact Material	Copper, tin plated
Silicone type	Potting (6.5 ml)

PV CONNECTER



Product Overview

The **PV** connectors feature a unique rear-insert assembly method, making installation easy, convenient, and safe.

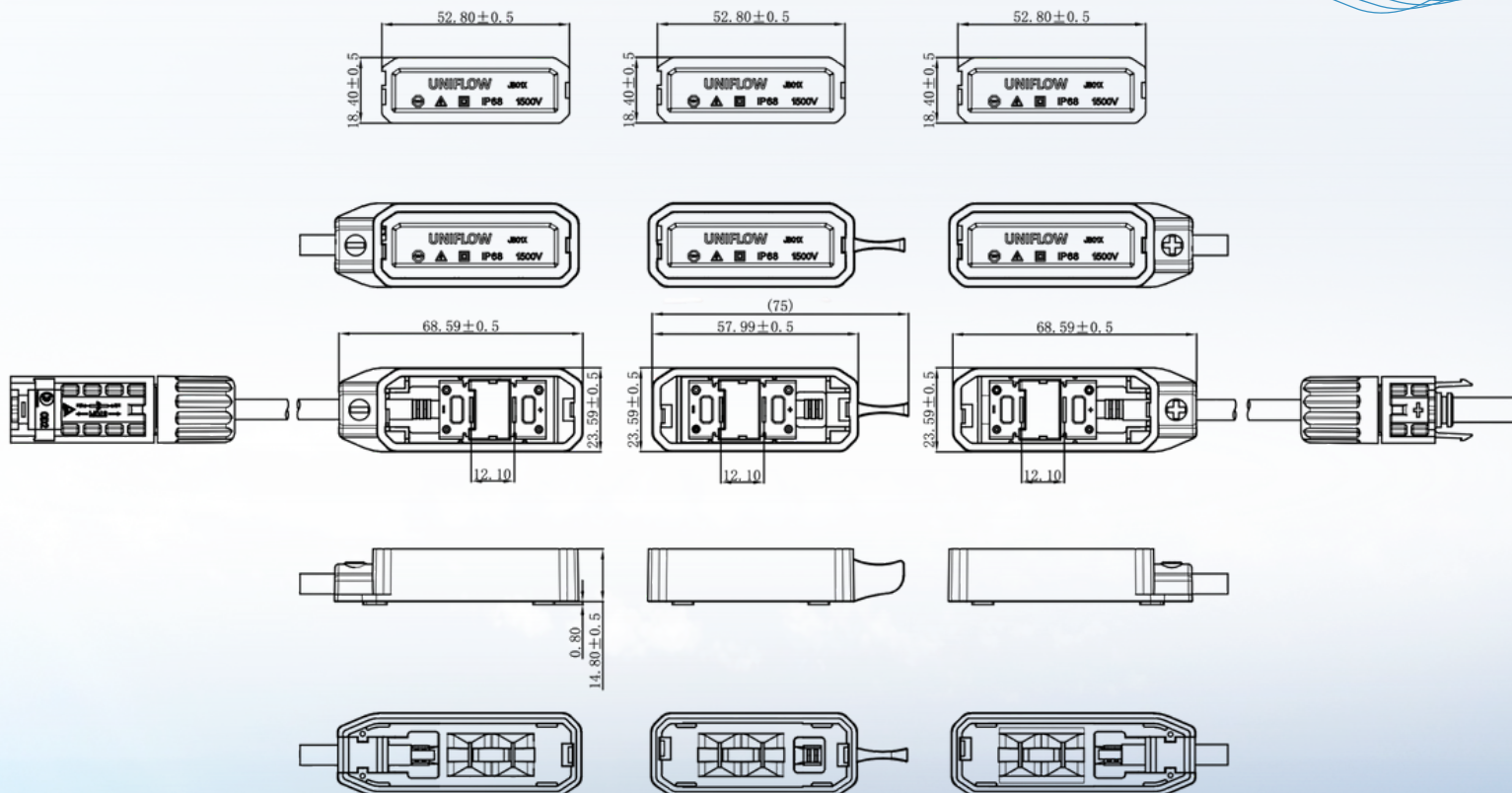
Designed with a superior resin material, these connectors not only meet the UL94-V0 fireproofing grade but also feature anti-aging and ultraviolet resistance for long-term outdoor use.

Technical Specifications

Rated Voltage	1500V DC
Protection Degree	IP68 (1m, 1h)
Safety Class	Class A
Contact resistance	$\leq 0.3m\Omega$
Cable Specification	4.0mm ² (OD 6.3 $\pm$ 0.1mm)
Ambient Temperature	-40°C to +85°C
Insulation Material	PC / PPE / PA
Flame Class	UL94-V0
Contact Material	Copper Tin Plating
Connection Method	Pressure Welding
Waterproof Structure	Seal Ring



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OUR CERTIFICATIONS



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Disclaimer-

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