



'elmex' PV Solar 4 - Rail Junction Box **EPVJB-F** is suitable for electrical connection from PV Crystalline module as a solution for easy & reliable interconnection from PV module to DC / AC converters. It has simple & cost effective assembly designed with snap fit locking arrangement with IP 65 protection sealing requirement for PV industry. The Junction Box is provided with two cables each of 1 meter length, with 'elmex' make straight male & female **EMPV4 / EMPV4N** connector for simple on-site wiring. PV Junction Box employs fast switching Schottky Diodes with peak reverse voltage rating of 45 V. The diodes are soldered with PV rails using lead-free, high melting point solder alloy. PV ribbons from PV module can be connected with junction box rails by soldering process.



Description	Specifications
Rated Voltage	1000V DC
Rated Current	12A
Degree of Protection	IP 65
Safety Class	II
Type of Terminal	Soldering
Number of Diodes	3
Diode Rating	15A / 20A / 25A
Type of Diode	Schottky Diode
Contact Material	Copper with Tin Plating
Operating Temperature	-40C° to +85° C
Application	250W to 310W
Connector	'elmex' Straight Connectors EMPV4 / EMPV4N
Locking System	Snap In
Cable	TUV certified solar cable of 1 meter standard length

