



Electroporcelains Division
Bengaluru – 560012, India

PS 901 02 0005

Rev No : 00

Purchase Specification
Group : Photovoltaic Module

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JUNCTION BOX FOR PV MODULE

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|------|----------------------|--|
| 1.0 | Item | : Junction Box with cover and PV Connectors |
| 2.0 | Application | : For connecting PV modules & power evacuation |
| 3.0 | Rated Current | : 12 A minimum |
| 4.0 | Rated Voltage | : 1000 VDC minimum |
| 5.0 | Degree of Protection | : IP 67 without potting |
| 6.0 | Certification | : TUV / UL Approved |
| 7.0 | Temperature Range | : -40° C to + 85° C |
| 8.0 | Diode Connection | : Screwed Down |
| 9.0 | No. Of Terminals | : 4 (Four) |
| 10.0 | No. & Type of Diodes | : Schottky Diodes (15A, 40V) |
| 11.0 | No. Of Glands | : 2 (Two) |
| 12.0 | Connecting Cables | : 2 numbers of 4 Sq.mm – 100 cm length |
| 13.0 | Type of Connectors | : MC-4 compatible clip on type |
| 14.0 | Ribbon Width | : 6 – 8 mm |
| 15.0 | Housing Material | : PPE |

NOTE:

The Junction Box shall be TUV / UL Certified to the standard as follows :

DIN V VDE V 0126-5/05.08

Connectors: EN 50521:2008

Cables: 2PFG 1169/08.07

Test Certificate to be provided along with the offer.

PACKING CONDITIONS:

1. The cable shall be wound and tied, the junction boxes shall be packed in carton box.
2. Each carton shall have manufacturers label containing:
 - i. Manufacturers Name
 - ii. Lot No
 - iii. Date of Manufacture
 - iv. Date of Expiry
 - v. Dimensions viz., Width and Quantity
3. Final packing box shall have a label containing BHEL Purchase Order No. and Date
4. Each lot must be accompanied with Test Certificate

Prepared By: PK	Reviewed By: NAR	Approved By: CNP	Date of Issue
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