



Sun2earth solar

Doc. No.
Doc. Date: 01/01/2024
Rev. No. 00
Rev. Date:

CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 180 Watt

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Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
180 (24V)	46.72	4.63	39.86	4.54
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
180 (12V)	23.36	9.26	19.84	9.08

Type Of Series	TopCon Cut Cells 180W
Total Number of Cells:	64
Cell Matrix:	16 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1055X765X35
Module Area (sqm):	0.81
Module Efficiency (%):	>20
Current temperature coefficient α [%/°C]	+0.040
Voltage temperature coefficient β [%/°C]	-0.26
Power temperature coefficient δ [%/°C]	-0.34
NOCT [°C]	42 +/- 2

Prepared By

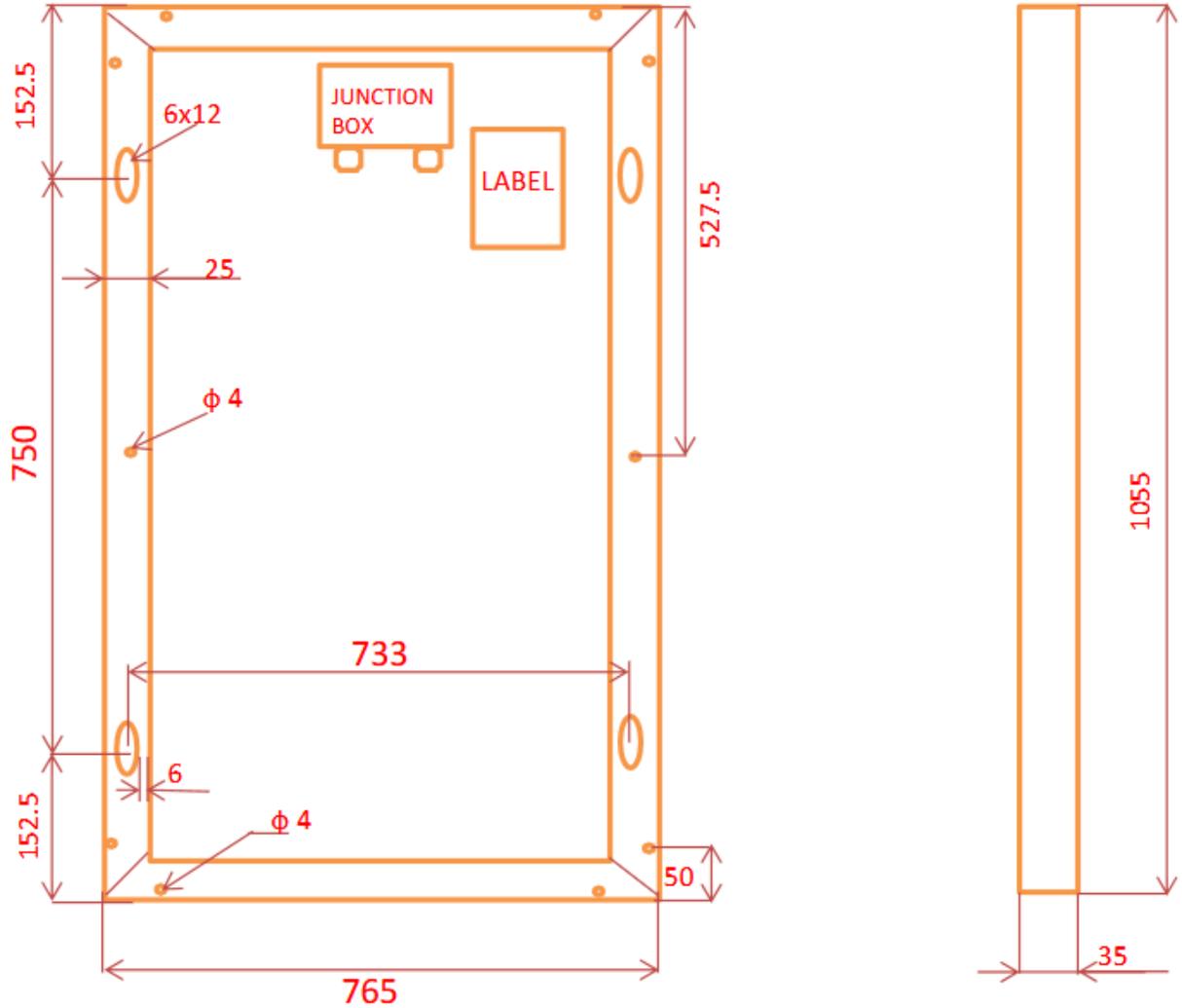
Chandrama

Approved By

Bhavesh Patel

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**CONSTRUCTIONAL DATA FORM FOR
PHOTOVOTAIC MODULES 180 Watt**



Note:- All Dimension in mm Unless otherwise specified, Tolerance +/- 2mm

Prepared By Chandrama	Approved By Bhavesh Patel
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CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 215 Watt

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Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
215 (24V)	37.09	7.02	31.93	6.74

Type Of Series	TopCon Cut Cells 215W
Total Number of Cells:	52
Cell Matrix:	13 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1262X765X35
Module Area (sqm):	0.965
Module Efficiency (%):	>20
Current temperature coefficient α [%/°C]	+0.040
Voltage temperature coefficient β [%/°C]	-0.26
Power temperature coefficient δ [%/°C]	-0.34
NOCT [°C]	42 +/- 2

Prepared By

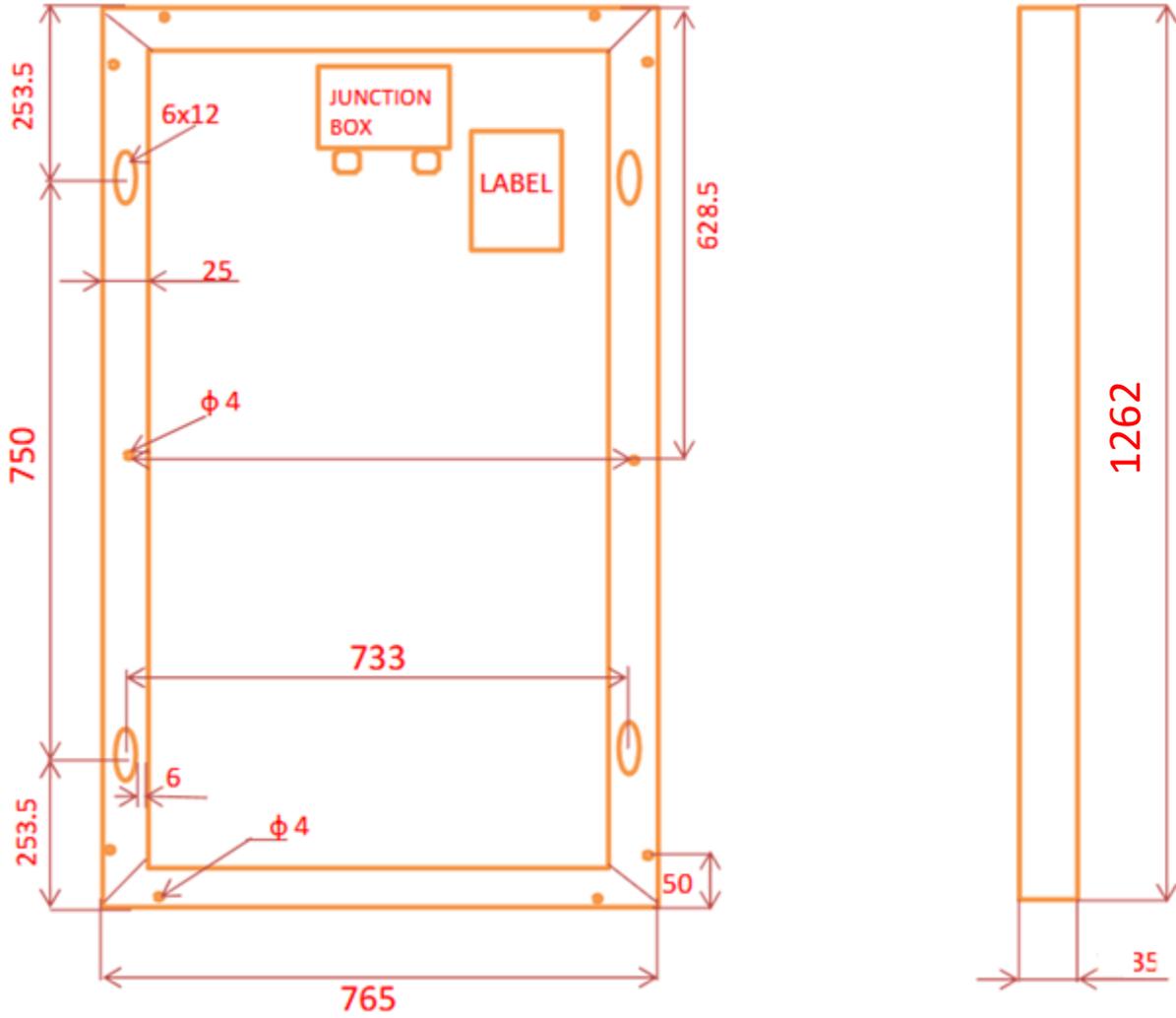
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**CONSTRUCTIONAL DATA FORM FOR
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**CONSTRUCTIONAL DATA FORM FOR
PHOTOVOTAIC MODULES 250 Watt**

Technical specifications of module

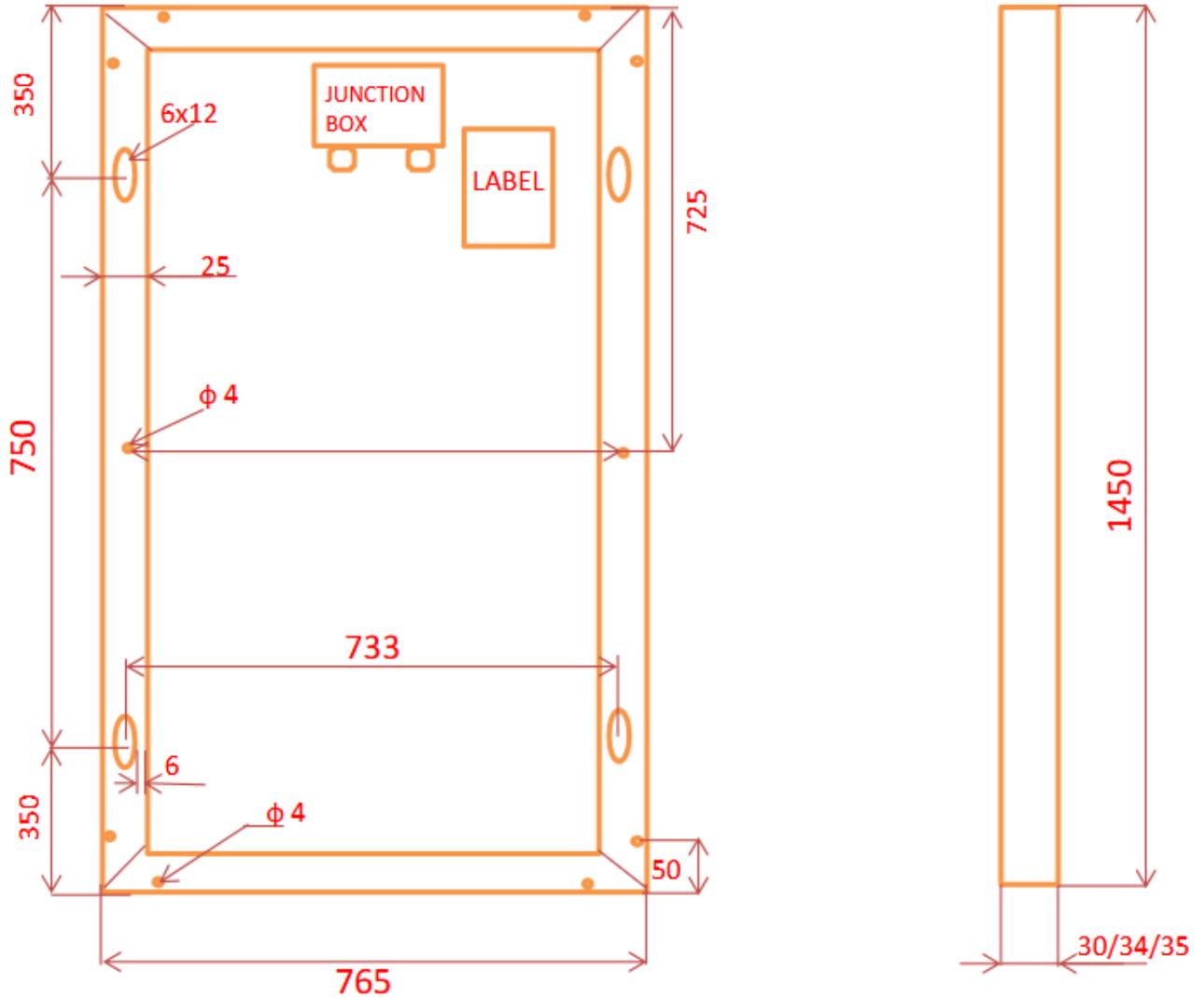
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
250 (24V)	43.01	7.09	36.95	6.81
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
250 (12V)	21.51	14.18	18.48	13.61

Type Of Series	TopCon Cut Cells 250W
Total Number of Cells:	60
Cell Matrix:	15 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1450X765X35
Module Area (sqm):	1.11
Module Efficiency (%):	>20
Current temperature coefficient α [%/°C]	+0.040
Voltage temperature coefficient β [%/°C]	-0.26
Power temperature coefficient δ [%/°C]	-0.34
NOCT [°C]	42 +/- 2

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**CONSTRUCTIONAL DATA FORM FOR
PHOTOVOTAIC MODULES 250 Watt**



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