



## Sun2earth solar

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES-180 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
180 (24V)	41.04	5.40	35.64	5.07
180 (12V)	20.52	10.80	17.82	10.14

Type Of Series	Mono PERC Cut Cells-180W
Total Number of Cells:	60
Cell Matrix:	15 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1200X765X35
Module Area (sqm):	0.918
Module Efficiency (%):	>19
Current temperature coefficient $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

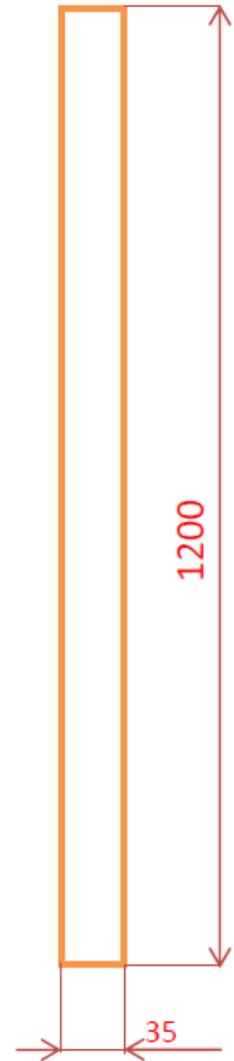
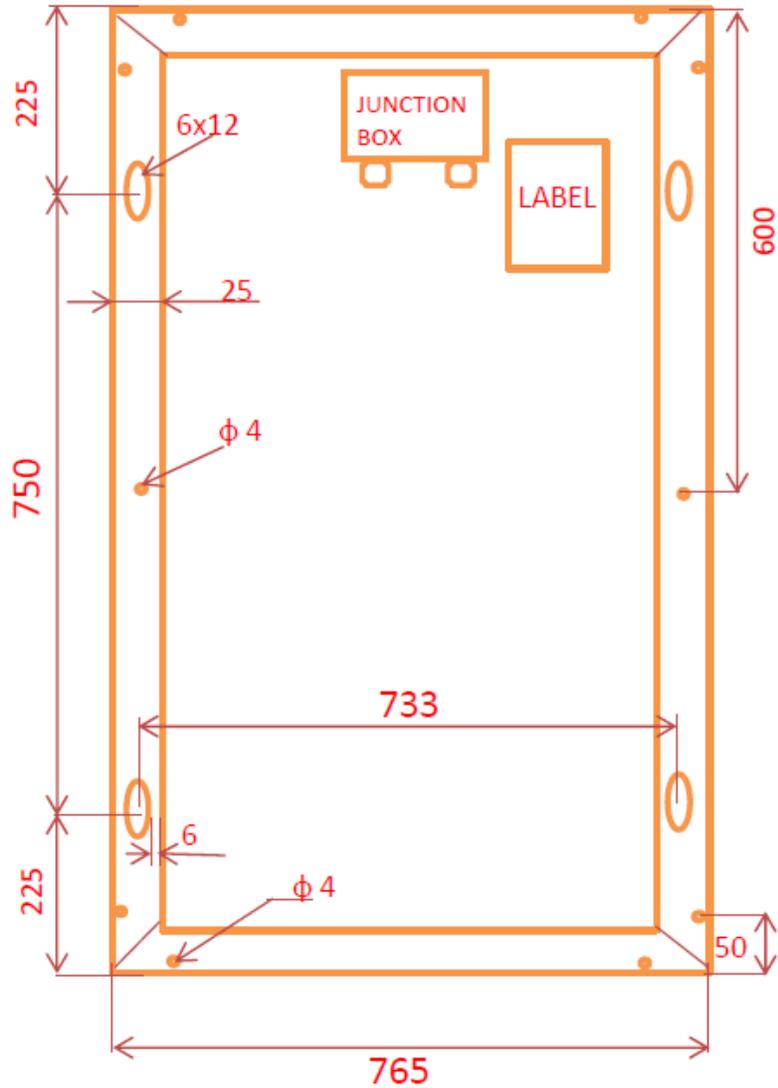
**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel

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



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

<b>Prepared By</b> Chandrama	<b>Approved By</b> Bhavesh Patel
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## Sun2earth solar

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 200 Watt

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### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
200 (24V)	35.78	6.81	31.16	6.42
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
200 (12V)	17.89	13.62	15.58	12.84

Type Of Series	Mono PERC Cut Cells 200W
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 $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

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Bhavesh Patel





## Sun2earth solar

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 210 Watt

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### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
210 (24V)	38.30	6.75	32.26	6.34
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
210 (12V)	19.15	13.5	16.13	12.68

Type Of Series	Mono PERC Cut Cells 210W
Total Number of Cells:	56
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 (%):	>18
Current temperature coefficient $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

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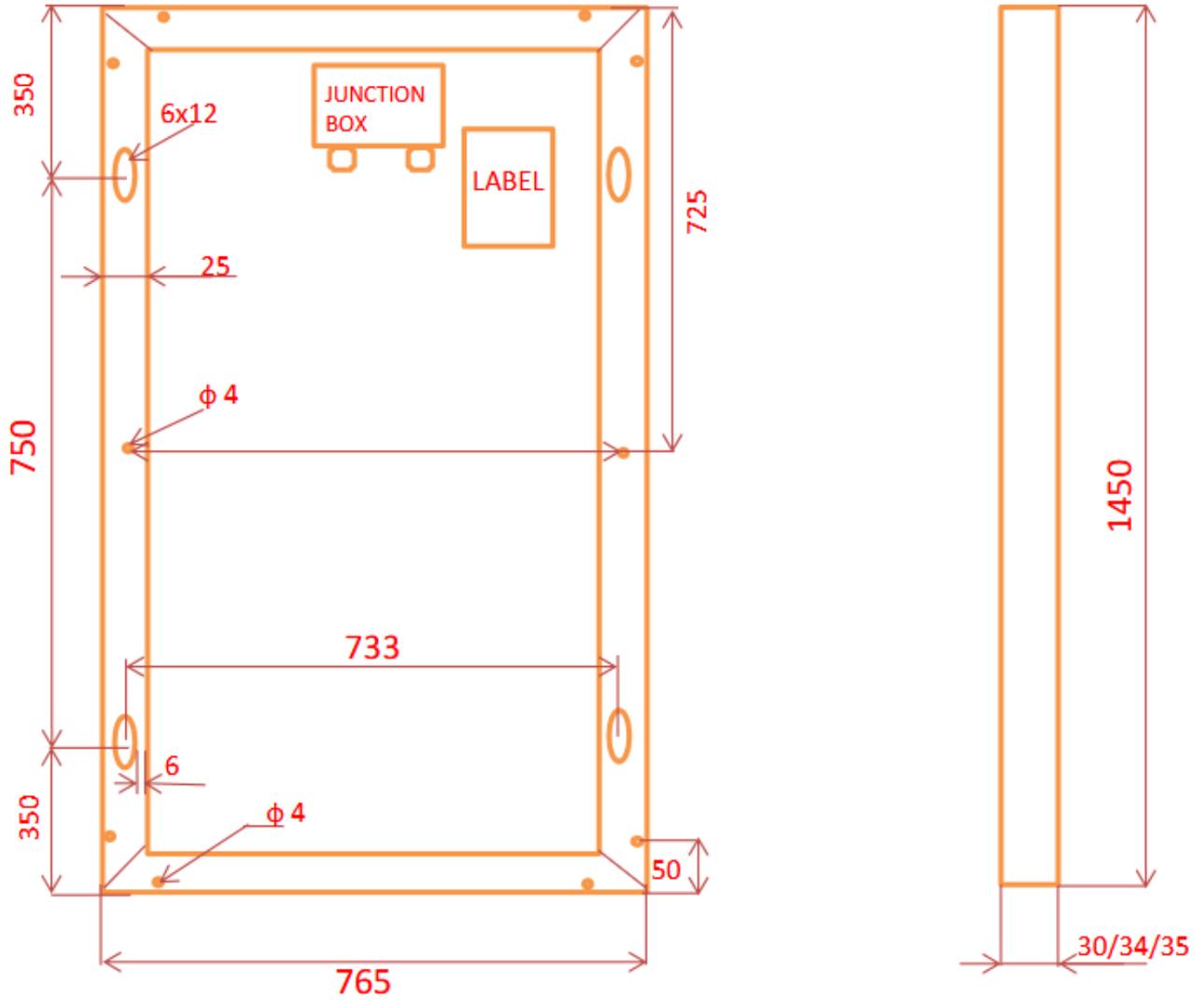
Chandrama

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Bhavesh Patel

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 210 Watt**



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

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 225 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
225 (24V)	41.16	6.78	35.76	6.37
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
225 (12V)	20.58	13.56	17.88	12.74

Type Of Series	Mono PERC Cut Cells 225W
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 $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

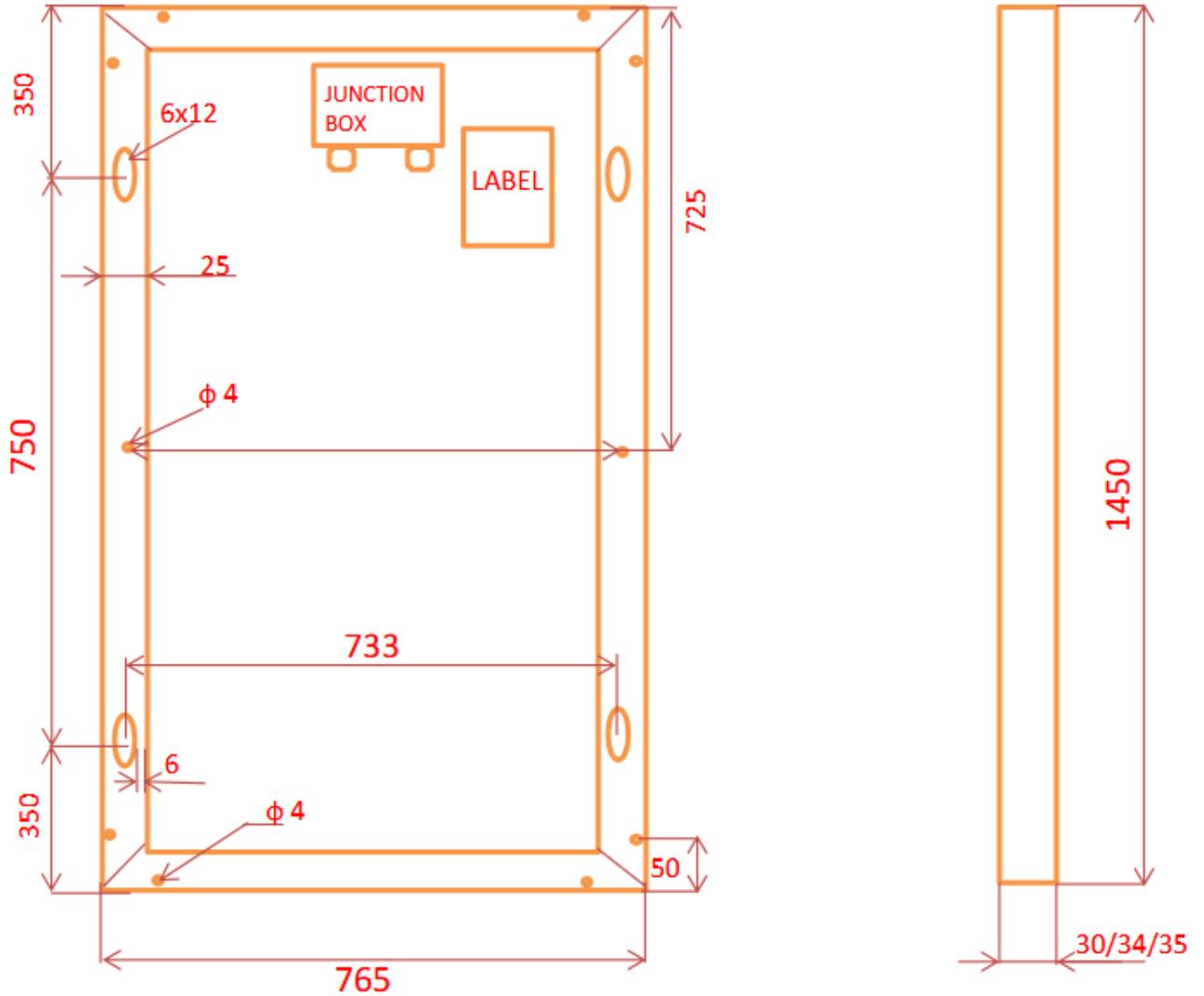
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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 225 Watt**



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

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 240 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
240 (24V)	43.78	6.74	38.02	6.34
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
240 (12V)	21.89	13.48	19.01	12.68

Type Of Series	Mono PERC Cut Cells 240W
Total Number of Cells:	64
Cell Matrix:	16 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1540X765X35
Module Area (sqm):	1.178
Module Efficiency (%):	>20
Current temperature coefficient $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 240 Watt**

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 245 Watt**

**Technical specifications of module**

<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
240 (24V)	44.12	6.74	38.72	6.34
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
240 (12V)	22.06	13.48	19.36	12.68

<b>Type Of Series</b>	<b>Mono PERC Cut Cells 245W</b>
<b>Total Number of Cells:</b>	64
<b>Cell Matrix:</b>	16 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	1540X765X35
<b>Module Area (sqm):</b>	1.178
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.06
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.36
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.36
<b>NOCT [°C]</b>	45 +/- 2

<b>Prepared By</b> Chandrama	<b>Approved By</b> Bhavesh Patel
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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 250 Watt**

**Technical specifications of module**

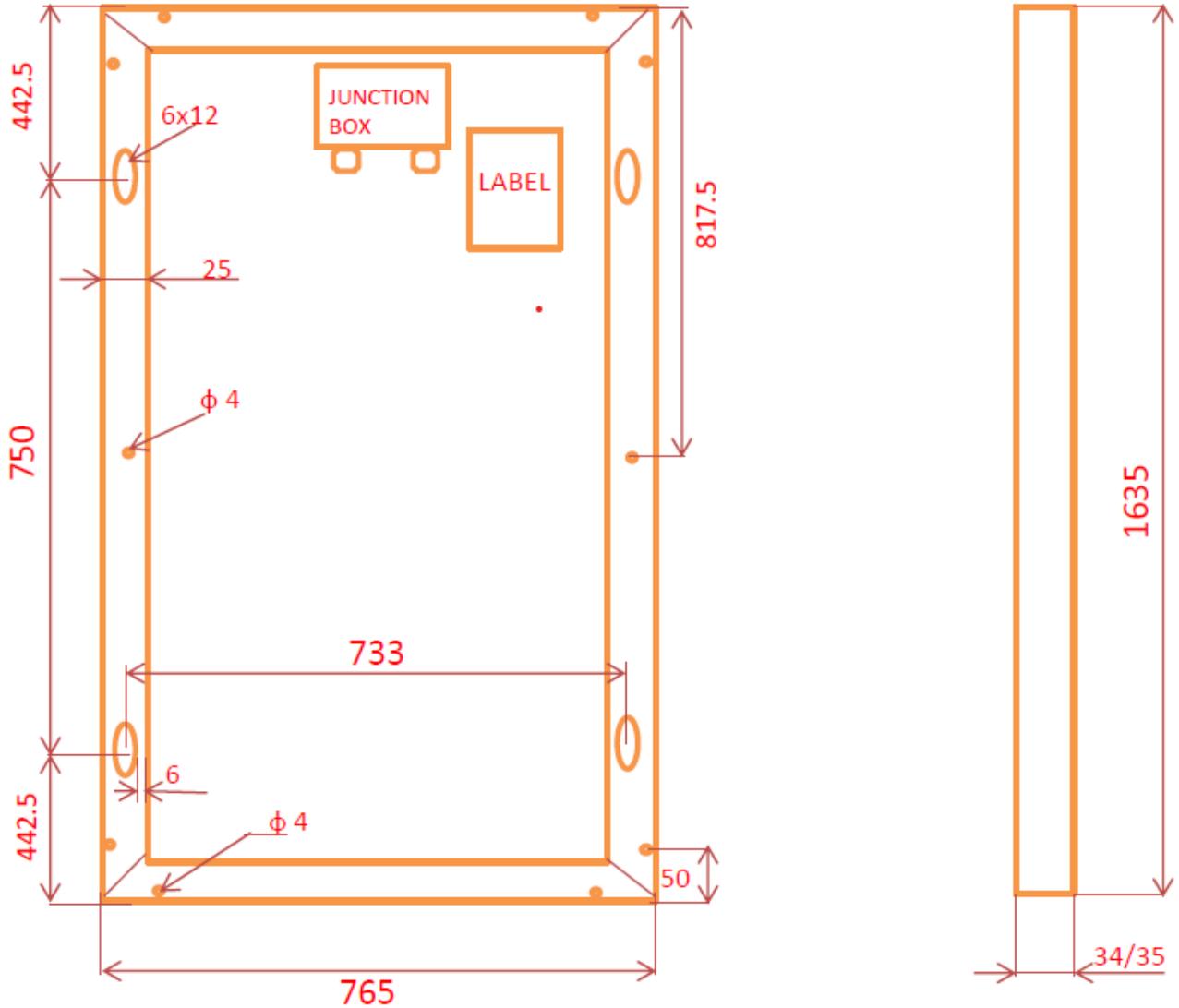
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
250 (24V)	46.05	6.74	39.99	6.27
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
250 (12V)	23.03	13.48	19.99	12.54

<b>Type Of Series</b>	<b>Mono PERC Cut Cells 250W</b>
<b>Total Number of Cells:</b>	68
<b>Cell Matrix:</b>	17 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	1635X765X35
<b>Module Area (sqm):</b>	1.251
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.06
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.36
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.36
<b>NOCT [°C]</b>	45 +/- 2

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



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

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 270 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
270 (24V)	49.25	6.75	42.77	6.34
<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
270 (12V)	24.63	13.5	21.39	12.68

Type Of Series	Mono PERC Cut Cells 270W
Total Number of Cells:	72
Cell Matrix:	12 X 6
Max System Voltage (V):	1000
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1727X765X35
Module Area (sqm):	1.324
Module Efficiency (%):	>20
Current temperature coefficient $\alpha$ [%/°C]	+0.06
Voltage temperature coefficient $\beta$ [%/°C]	-0.36
Power temperature coefficient $\delta$ [%/°C]	-0.36
NOCT [°C]	45 +/- 2

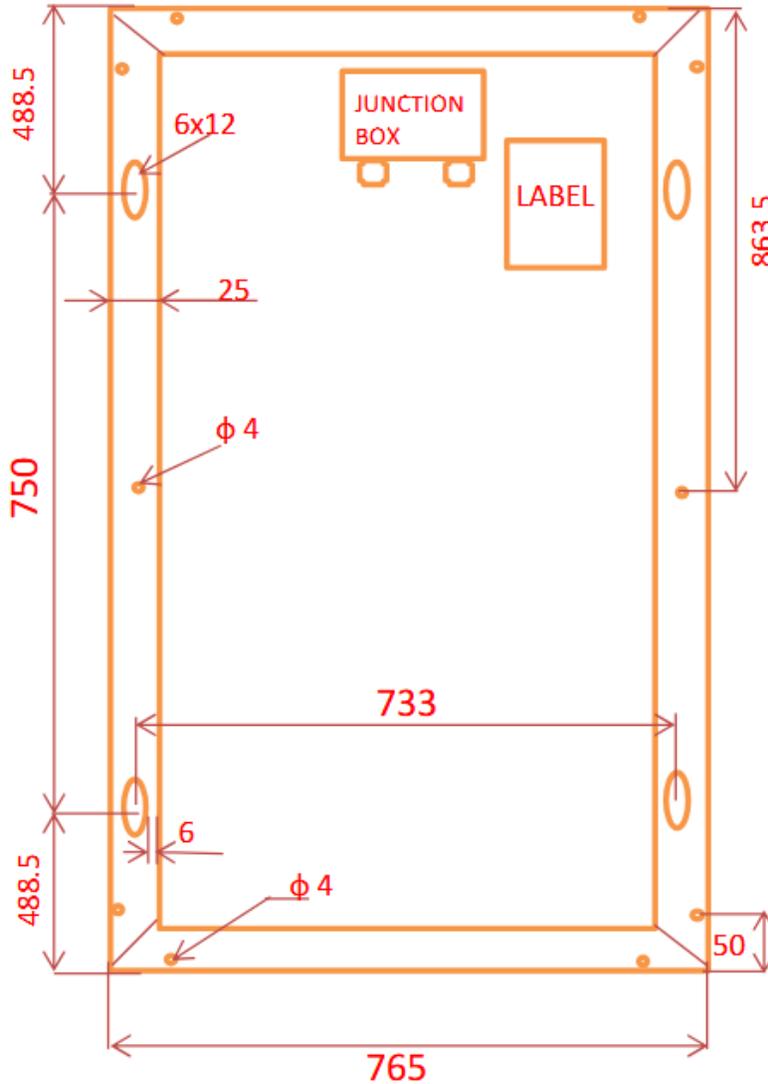
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Bhavesh Patel

**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 270 Watt**



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

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 275 Watt**

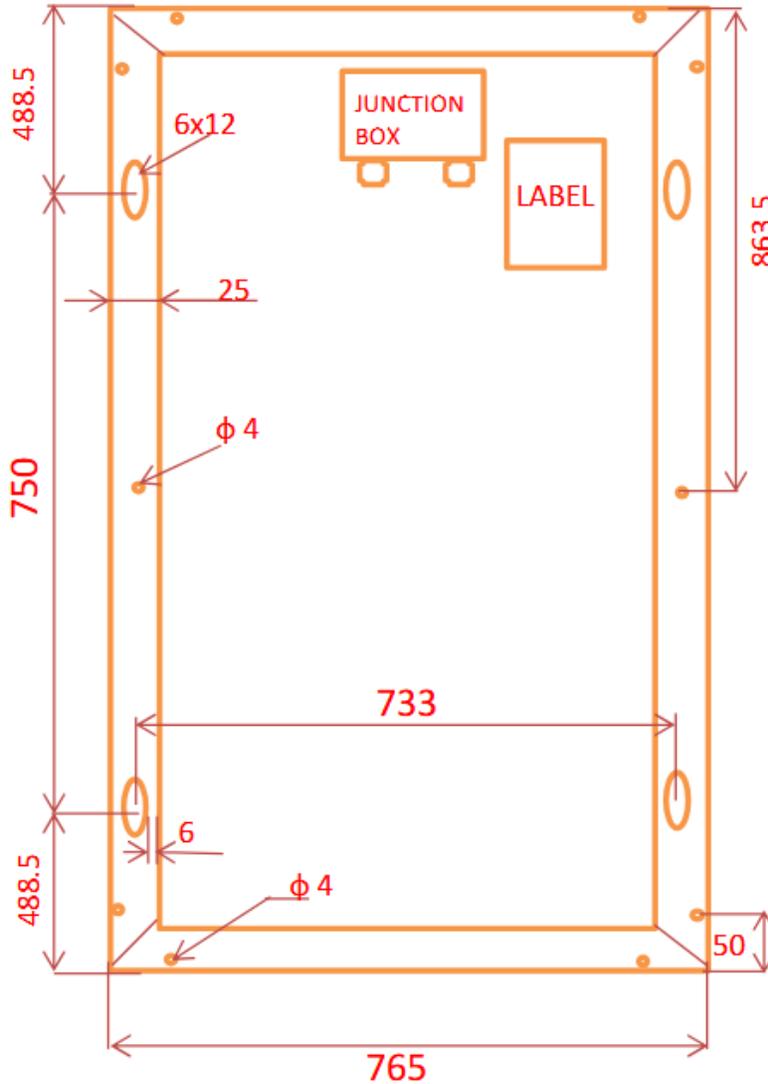
**Technical specifications of module**

<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
270 (24V)	49.63	6.75	43.56	6.34
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
270 (12V)	24.82	13.5	21.78	12.68

<b>Type Of Series</b>	<b>Mono PERC Cut Cells 275W</b>
<b>Total Number of Cells:</b>	72
<b>Cell Matrix:</b>	12 X 6
<b>Max System Voltage (V):</b>	1000
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	1727X765X35
<b>Module Area (sqm):</b>	1.324
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.06
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.36
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.36
<b>NOCT [°C]</b>	45 +/- 2

<b>Prepared By</b> Chandrama	<b>Approved By</b> Bhavesh Patel
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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 275 Watt**



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

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