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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 90 Watt**

**Technical specifications of module**

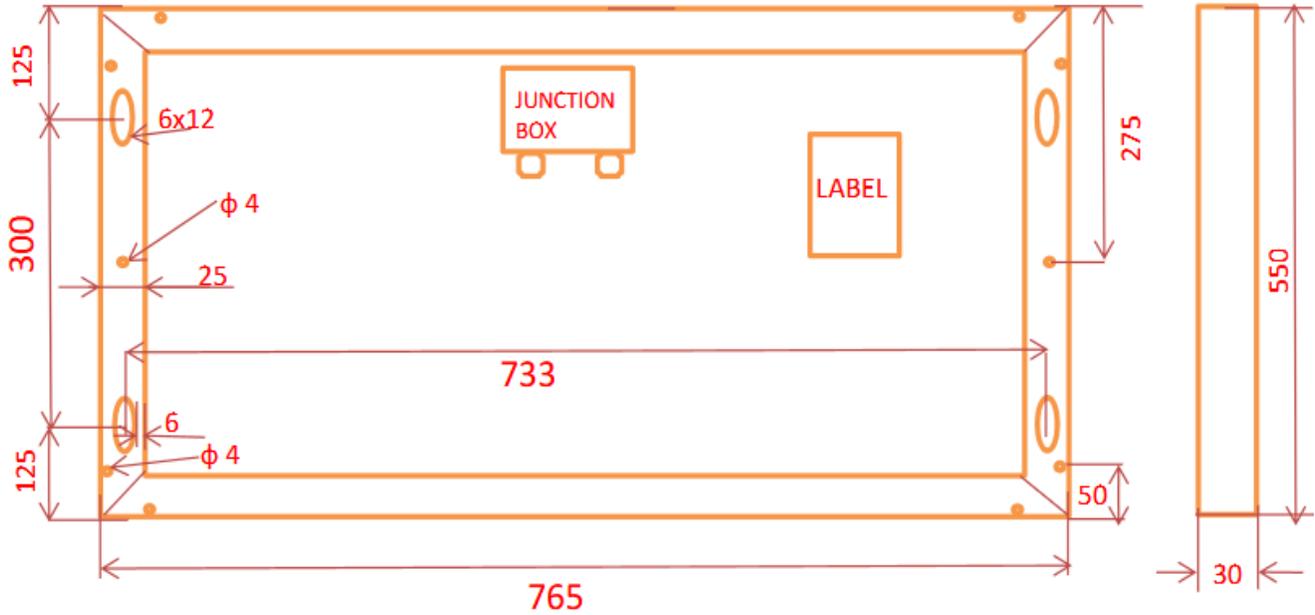
<b>Type Family</b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
90	23.36	4.63	20.01	4.54

<b>Type Of Series</b>	<b>TopCon Cut Cells 90 W</b>
<b>Total Number of Cells:</b>	32
<b>Cell Matrix:</b>	8 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	550X765X30
<b>Module Area (sqm):</b>	0.421
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

<b>Prepared By</b> Chandrama	<b>Approved By</b> Bhavesh Patel
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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 90 Watt**



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

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 100 Watt**

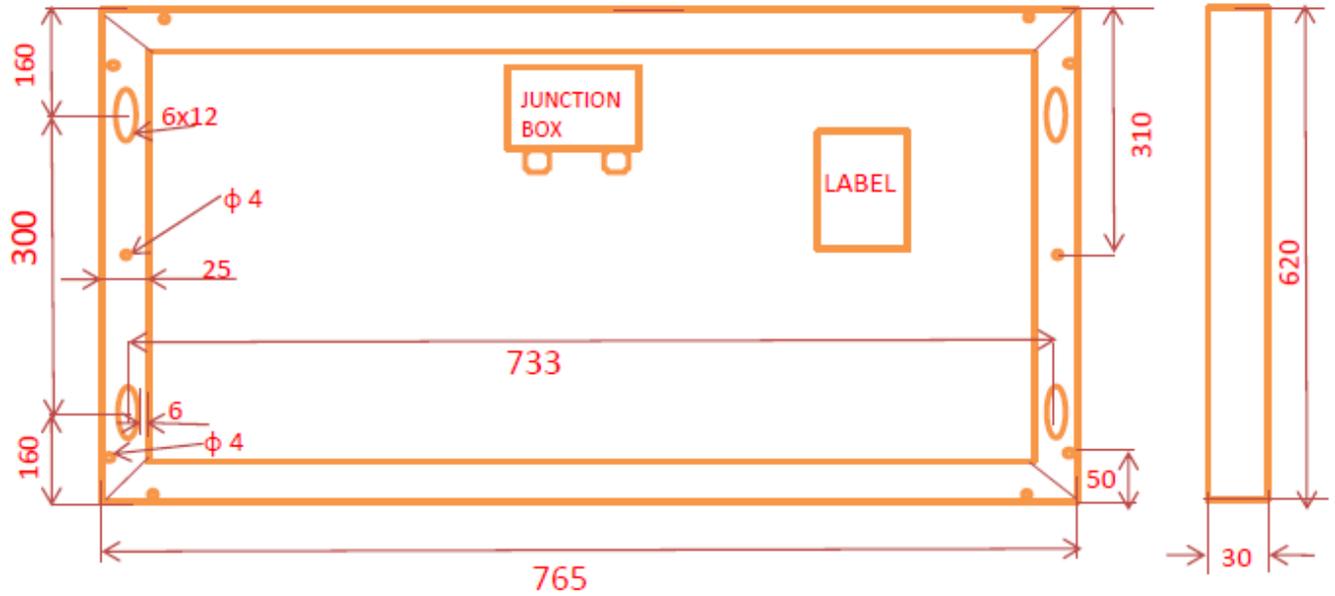
**Technical specifications of module**

<b>Type Family</b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
100	25.81	4.63	22.17	4.54

<b>Type Of Series</b>	<b>TopCon Cut Cells 100 W</b>
<b>Total Number of Cells:</b>	36
<b>Cell Matrix:</b>	9 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	620X765X30
<b>Module Area (sqm):</b>	0.474
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

<b>Prepared By</b> Chandrama	<b>Approved By</b> Bhavesh Patel
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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 100 Watt**



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

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 120 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
120	25.81	5.67	22.17	5.44

<b>Type Of Series</b>	<b>TopCon Cut Cells 120W</b>
<b>Total Number of Cells:</b>	36
<b>Cell Matrix:</b>	9 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	725X765X30
<b>Module Area (sqm):</b>	0.554
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

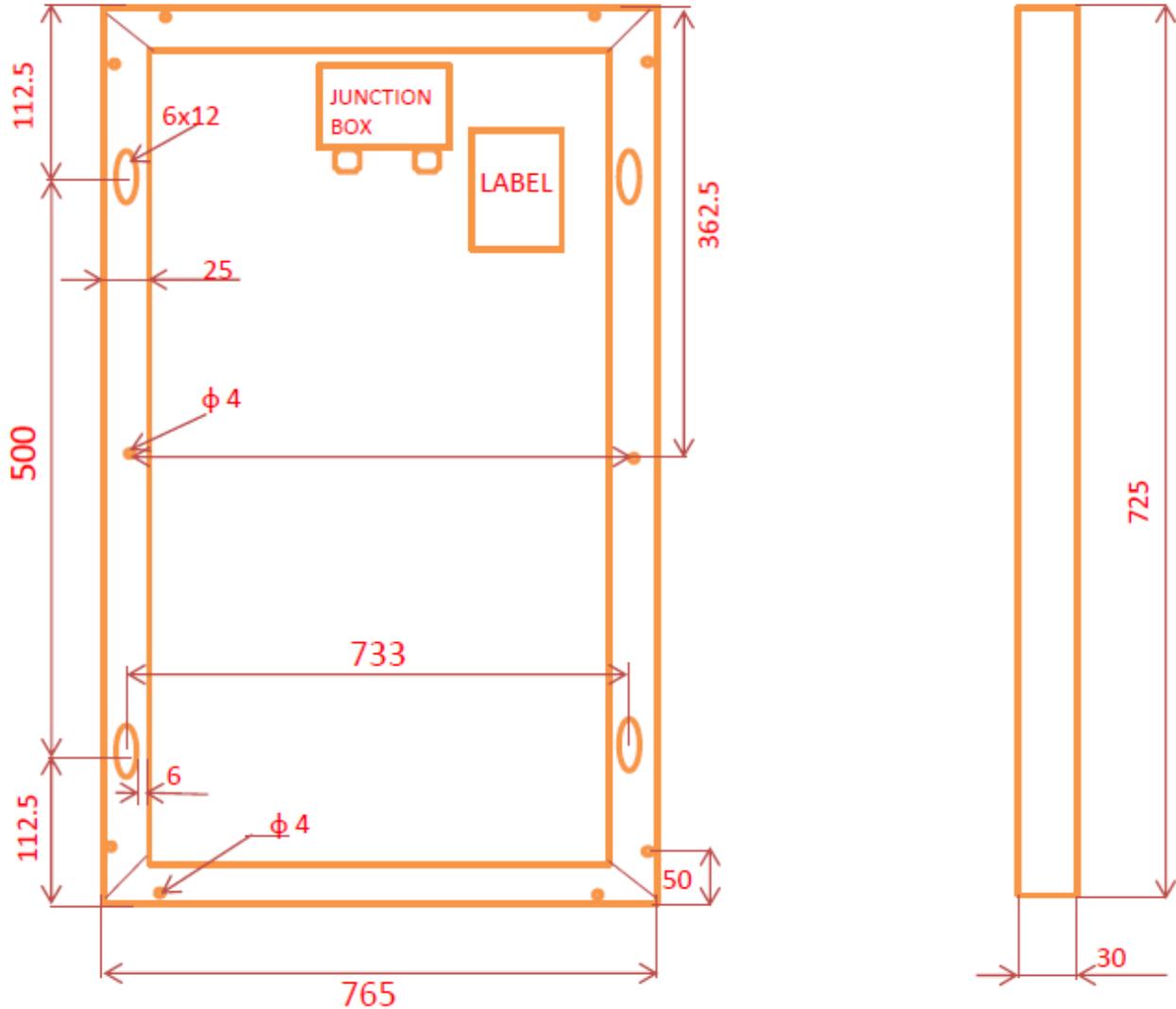
**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel

**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 120 Watt**



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

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Chandrama

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 135 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
135	22.94	7.09	19.85	6.82

<b>Type Of Series</b>	<b>TopCon Cut Cells 135W</b>
<b>Total Number of Cells:</b>	32
<b>Cell Matrix:</b>	8 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	797X765X30
<b>Module Area (sqm):</b>	0.61
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

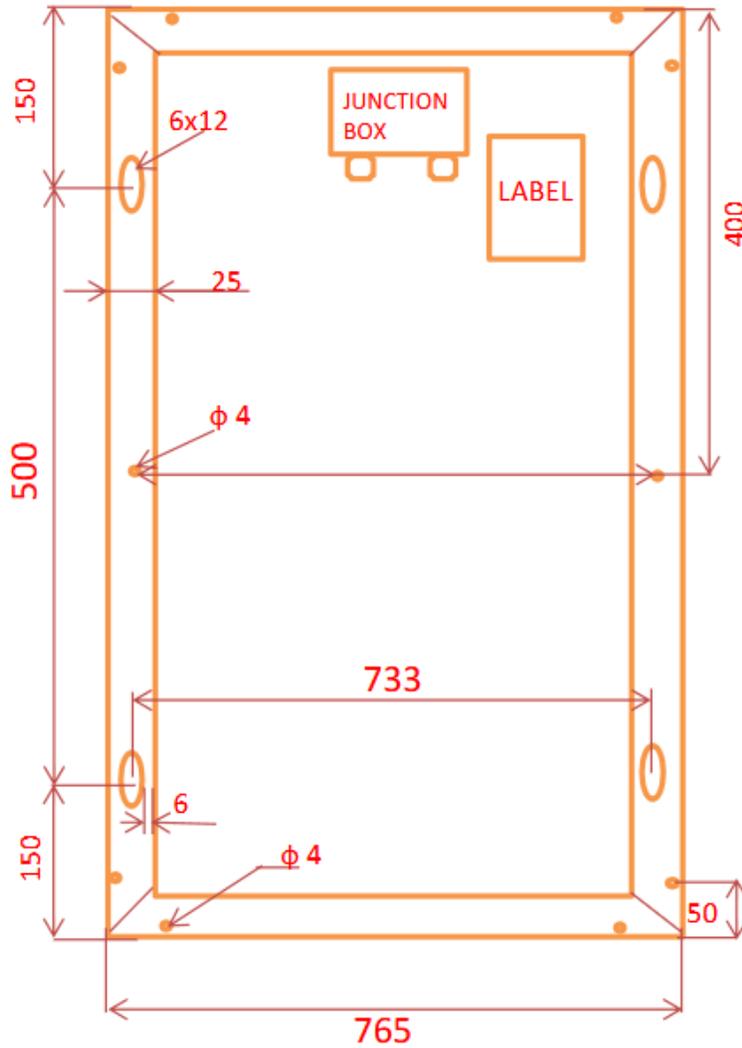
**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel

**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 135 Watt**



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

**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel

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<b>CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 140 Watt</b>		Rev. No.	00
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### Technical specifications of module

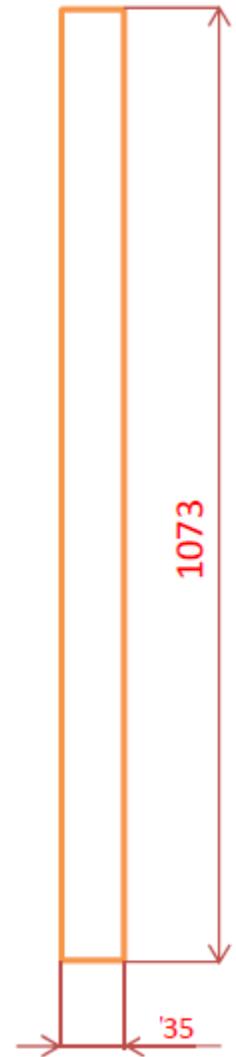
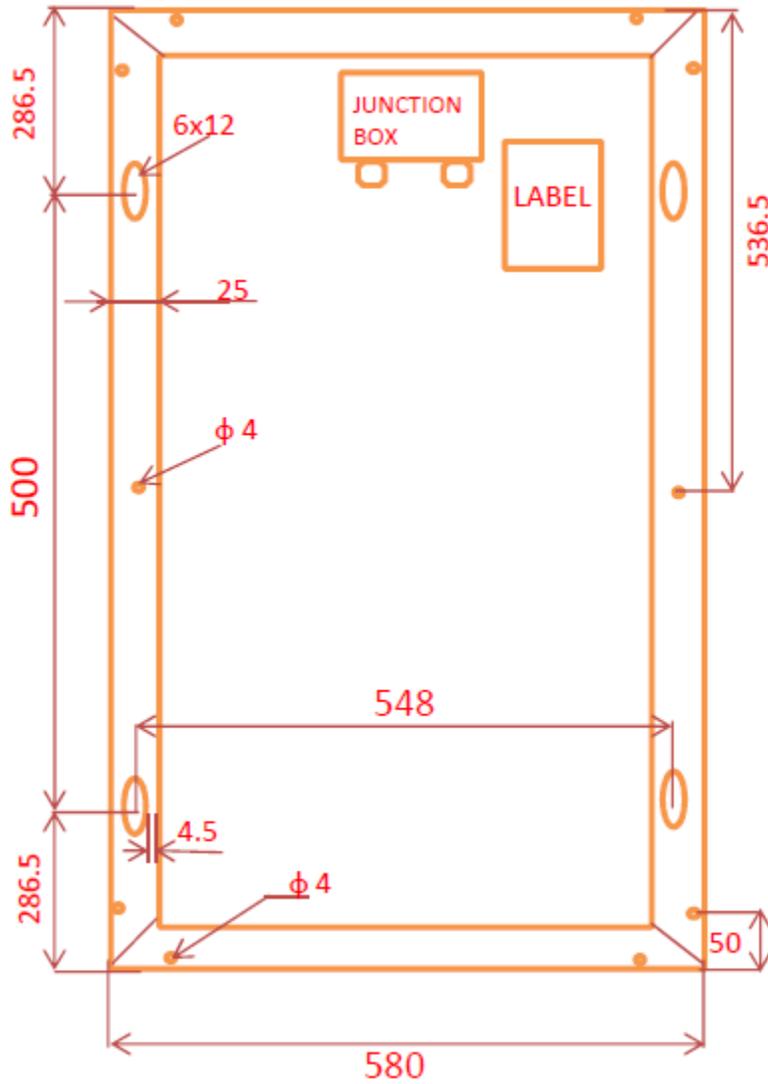
<b>Type Family</b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
140	23.66	7.09	20.46	6.85

<b>Type Of Series</b>	<b>TopCon Cut Cells 140W</b>
<b>Total Number of Cells:</b>	33
<b>Cell Matrix:</b>	11 X 3
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	1073X580X35
<b>Module Area (sqm):</b>	0.622
<b>Module Efficiency (%):</b>	>20
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

<b>Prepared By</b>	<b>Approved By</b>
Chandrama	Bhavesh Patel

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 140 Watt**



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

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### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 150 Watt

#### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
150	25.81	7.09	22.17	6.80

Type Of Series	TopCon Cut Cells 150W
Total Number of Cells:	36
Cell Matrix:	9 X 4
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	890X765X35
Module Area (sqm):	0.68
Module Efficiency (%):	>20
Current temperature coefficient $\alpha$ [%/°C]	+0.040
Voltage temperature coefficient $\beta$ [%/°C]	-0.26
Power temperature coefficient $\delta$ [%/°C]	-0.34
NOCT [°C]	42 +/- 2

**Prepared By**

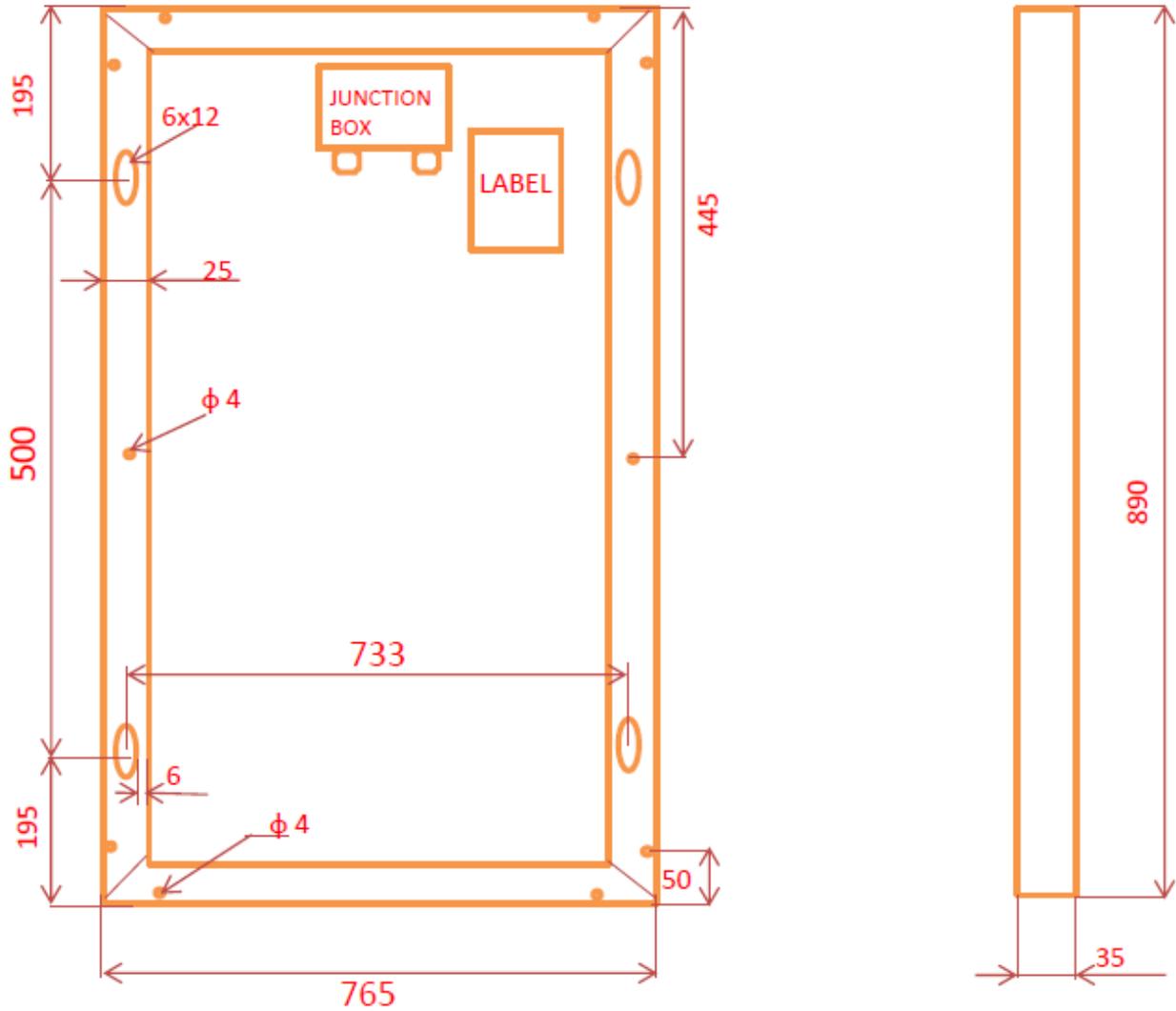
Chandrama

**Approved By**

Bhavesh Patel

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 150 Watt**



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

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 165 Watt**

**Technical specifications of module**

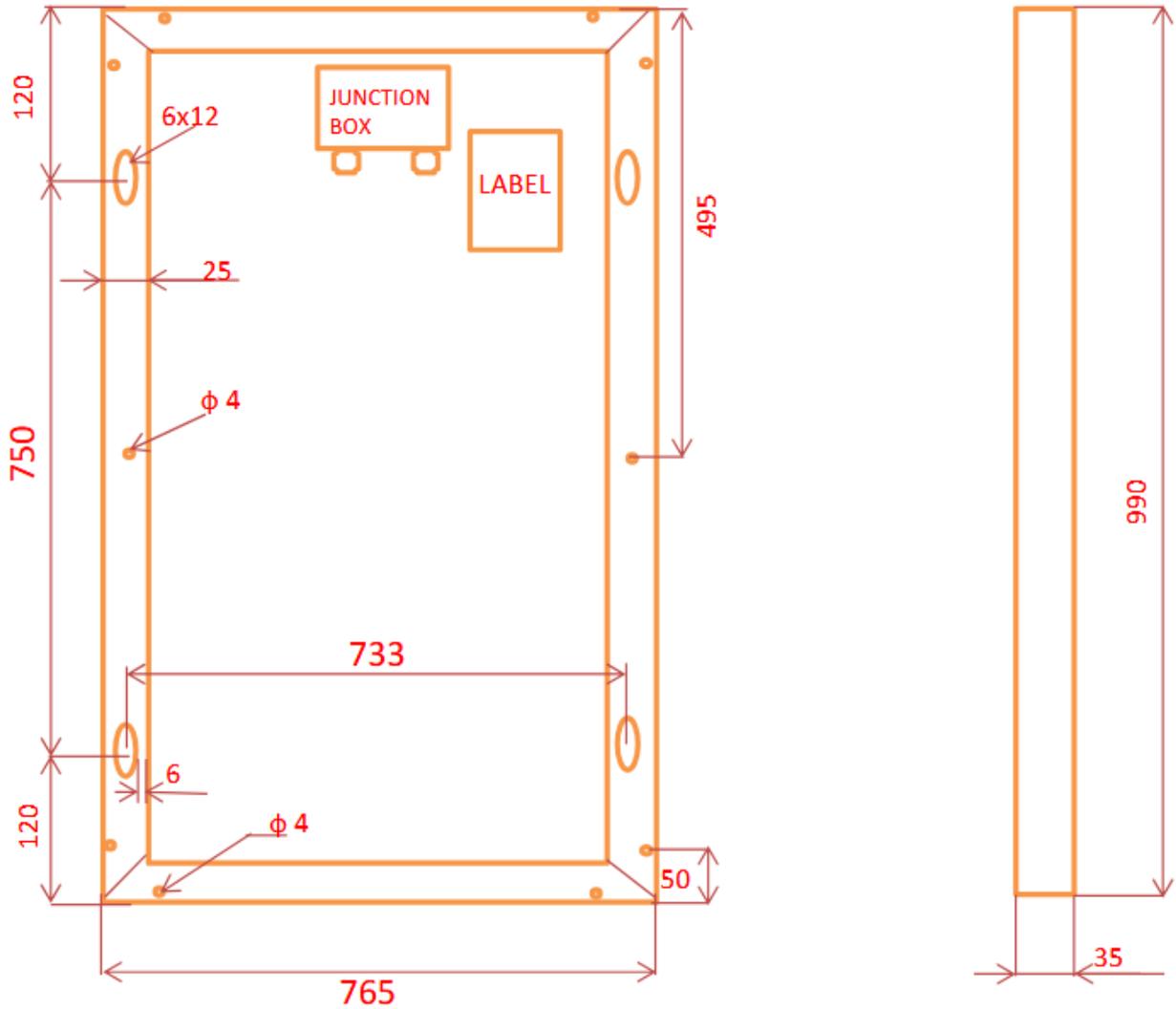
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
165 (24V)	42.79	4.68	36.78	4.49
<b><u>Type Family</u></b>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
165 (12V)	21.40	9.36	18.39	8.98

<b>Type Of Series</b>	<b>TopCon Cut Cells 165W</b>
<b>Total Number of Cells:</b>	60
<b>Cell Matrix:</b>	15 X 4
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	990X765X35
<b>Module Area (sqm):</b>	0.757
<b>Module Efficiency (%):</b>	>19
<b>Current temperature coefficient <math>\alpha</math> [%/°C]</b>	+0.040
<b>Voltage temperature coefficient <math>\beta</math> [%/°C]</b>	-0.26
<b>Power temperature coefficient <math>\delta</math> [%/°C]</b>	-0.34
<b>NOCT [°C]</b>	42 +/- 2

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**CONSTRUCTIONAL DATA FORM FOR  
PHOTOVOTAIC MODULES 165 Watt**



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

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