



## Sun2earth solar

Doc. No.

Doc. Date:

01/01/2024

Rev. No.

00

Rev. Date:

Page 1 of 1

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-40 Watt

#### Technical specifications of module

Type Family				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
40	19.15	2.70	16.63	2.53

Type Of Series	Mono PERC Cut Cells AIO-40W
Total Number of Cells:	28
Cell Matrix:	14 X 2
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	580X395X4.5
Module Area (sqm):	0.229
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

**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel



## Sun2earth solar

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

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-50 Watt

Page 1 of 1

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
50	19.15	3.38	16.63	3.17

Type Of Series	Mono PERC Cut Cells AIO-50W
Total Number of Cells:	28
Cell Matrix:	14 X 2
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	710X395X4.5
Module Area (sqm):	0.280
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

Prepared By

Chandrama

Approved By

Bhavesh Patel



## Sun2earth solar

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

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-60 Watt

Page 1 of 1

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
60	21.89	3.38	19.01	3.17

Type Of Series	Mono PERC Cut Cells AIO-60W
Total Number of Cells:	32
Cell Matrix:	16 X 2
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	805X395X4.5
Module Area (sqm):	0.318
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

Prepared By

Chandrama

Approved By

Bhavesh Patel



## Sun2earth solar

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

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-80 Watt

Page 1 of 1

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
80	21.89	4.50	19.01	4.22

Type Of Series	Mono PERC Cut Cells AIO-80W
Total Number of Cells:	32
Cell Matrix:	16 X 2
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1045X395X4.5
Module Area (sqm):	0.413
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



## Sun2earth solar

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

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-100 Watt

Page 1 of 1

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
100	23.26	5.40	20.20	5.07

Type Of Series	Mono PERC Cut Cells AIO-100W
Total Number of Cells:	34
Cell Matrix:	17 X 2
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1345X395X4.5
Module Area (sqm):	0.531
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



## Sun2earth solar

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

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES-120 Watt

Page 1 of 1

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
120	22.57	6.53	19.60	6.13

Type Of Series	Mono PERC Cut Cells-120W
Total Number of Cells:	33
Cell Matrix:	11 X 3
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1068X575X4.5
Module Area (sqm):	0.614
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



## Sun2earth solar

Doc. No.

Doc. Date:

01/01/2024

Rev. No.

00

Rev. Date:

Page 1 of 1

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-150 Watt

### Technical specifications of module

<u>Type Family</u>				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
150	41.04	4.50	35.64	4.22

<b>Type Of Series</b>	<b>Mono PERC Cut Cells AIO-150W</b>
<b>Total Number of Cells:</b>	60
<b>Cell Matrix:</b>	20 X 3
<b>Max System Voltage (V):</b>	600
<b>Application Class:</b>	A
<b>Protection Calss:</b>	II
<b>Module Dimensions (mmXmmXmm):</b>	1295X575X4.5
<b>Module Area (sqm):</b>	0.745
<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

**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel



## Sun2earth solar

Doc. No.

Doc. Date:

01/01/2024

Rev. No.

00

Rev. Date:

Page 1 of 1

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES AIO-170 Watt

#### Technical specifications of module

Type Family				
Pmax (W)	Voc (V)	Isc (A)	Vmp (V)	Imp (A)
170	47.20	4.50	40.99	4.22

Type Of Series	Mono PERC Cut Cells AIO-170W
Total Number of Cells:	69
Cell Matrix:	23 X 3
Max System Voltage (V):	600
Application Class:	A
Protection Calss:	II
Module Dimensions (mmXmmXmm):	1485X575X4.5
Module Area (sqm):	0.854
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



## Sun2earth solar

Doc. No. --  
Doc. Date: --  
Rev. No. 00

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

Rev. Date:  
Page 1 of 1

### 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):	1195X760X4.5
Module Area (sqm):	0.908
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



## Sun2earth solar

Doc. No.

Doc. Date:

01/01/2024

Rev. No.

00

Rev. Date:

Page 1 of 1

### CONSTRUCTIONAL DATA FORM FOR PHOTOVOTAIC MODULES 200 Watt

#### 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
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):	1257X760X4.5
Module Area (sqm):	0.955
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

**Prepared By**

Chandrama

**Approved By**

Bhavesh Patel