

# N-TOPcon MK01-55-75

High Efficiency Monocrystalline Solar Module

**55W-75W**

Output Power Range

**22.2%**

maximum efficiency

**34 Half Cell**

45.5\*182mm

**0 ~+5W**

Positive Power Tolerance



Higher output Power



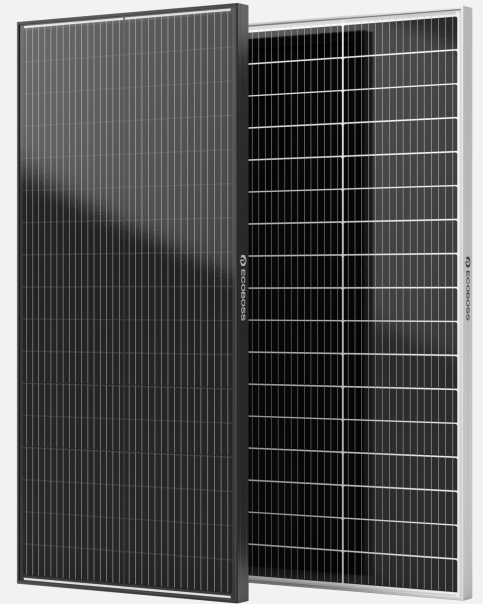
Low attenuation



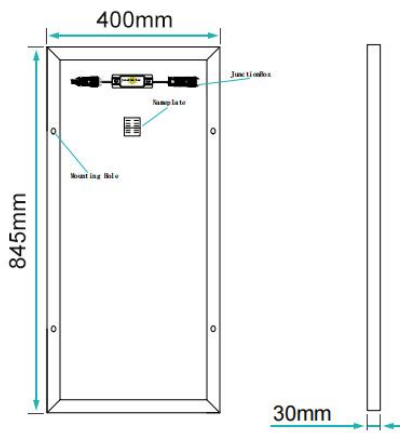
Less shading and lower resistive loss



Better mechanical loading tolerance



## MECHANICAL DIAGRAM

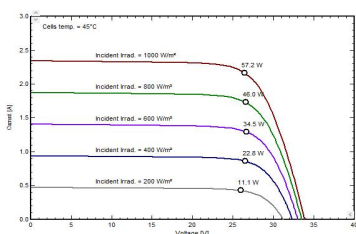


## SPECIFICATIONS

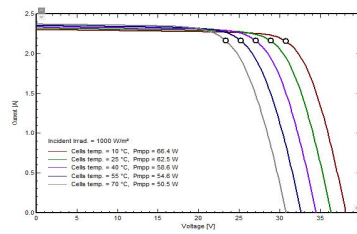
cell	mono
Weight	3.6KG
Dimensions	845*400*30mm±2mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	34 (2*17)
Junction BoX	IP68, 1 diodes
Connector	MC4
Cable Length	900mm
package size	905*460*60mm
packed weight	4.0KG

TYPE	MK01-55	MK01-60	MK01-65	MK01-70	MK01-75
Rated Maximum Power(Pmax) [W]	55	60	65	70	75
Open Circuit Voltage(Voc) [V]	21.93	22.1	22.27	22.44	22.61
Short Circuit Current(Isc) [A]	3.31	3.36	3.41	3.46	3.51
Maximum Power Voltage(Vmp) [V]	19.68	19.72	19.76	19.8	19.84
Maximum Power Current( Imp) [A]	2.8	3.05	3.29	3.54	3.79
Power Tolerance	0-+5W				
Maximum System Voltage	1500V				
Operating Temperature	-40°C~+85°C				
Safety Class	Class II				
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G				

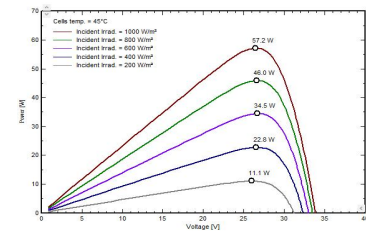
## CHARACTERISTICS



Curves under different irradiation intensities



Curves under different temperature conditions



Power under different irradiation conditions



# N-TOPcon MK02-95-115

High Efficiency Monocrystalline Solar Module

**95W-115W**  
Output Power Range

**22.0%**  
maximum efficiency

**36 Half Cell**  
45.5\*182mm

**0 ~+5W**  
Positive Power Tolerance



Higher output Power



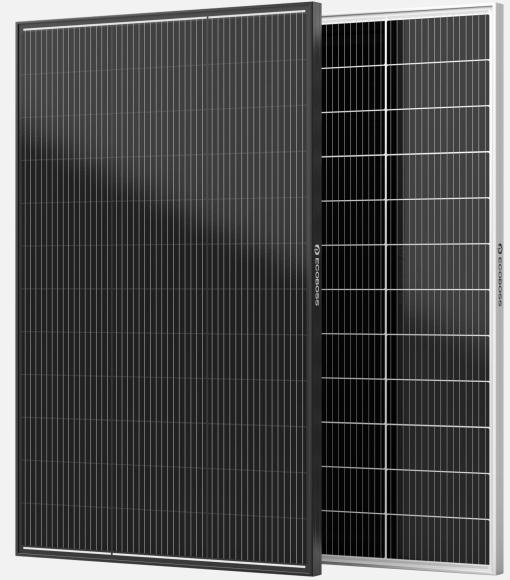
Low attenuation



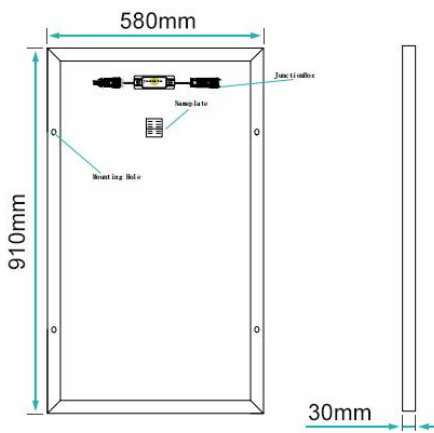
Less shading and lower resistive loss



Better mechanical loading tolerance



## MECHANICAL DIAGRAM

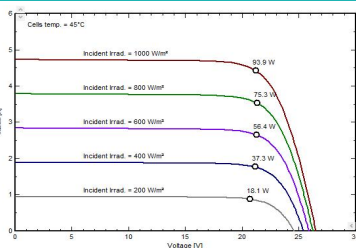


## SPECIFICATIONS

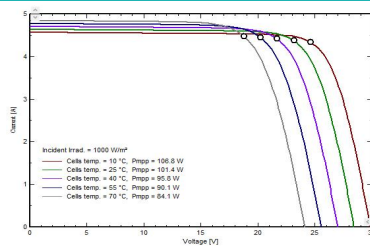
cell	mono
Weight	5.4KG
Dimensions	910*585*30mm±2mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	36 (3*12)
Junction BoX	IP68, 1 diodes
Connector	MC4
Cable Length	900mm
package size	970*640*60mm
packed weight	6.0KG

TYPE	MK02-95	MK02-100	MK02-105	MK02-110	MK02-115
Rated Maximum Power(Pmax) [W]	95	100	105	110	115
Open Circuit Voltage(Voc) [V]	22.93	23.1	23.27	23.44	23.61
Short Circuit Current(Isc) [A]	6.00	6.05	6.10	6.15	6.20
Maximum Power Voltage(Vmp) [V]	20.84	20.88	20.92	20.96	21.00
Maximum Power Current( Imp) [A]	4.56	4.79	5.02	5.25	5.48
Power Tolerance	0-+5W				
Maximum System Voltage	1500V				
Operating Temperature	-40°C~+85°C				
Safety Class	Class II				
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G				

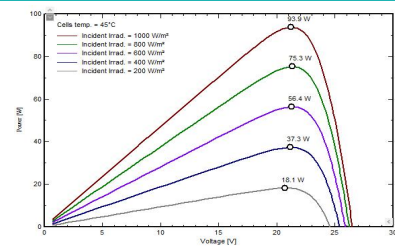
## CHARACTERISTICS



Curves under different irradiation intensities



Curves under different temperature conditions



Power under different irradiation conditions

# N-TOPcon MK14-140-160

High Efficiency Monocrystalline Solar Module

**140W-160W**

Output Power Range

**22.0%**

maximum efficiency

**30 Half Cell**

45.5\*182mm

**0 ~+5W**

Positive Power Tolerance



Higher output Power



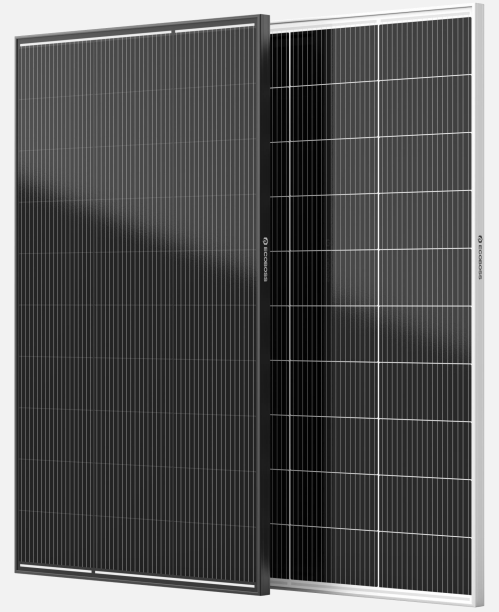
Low attenuation



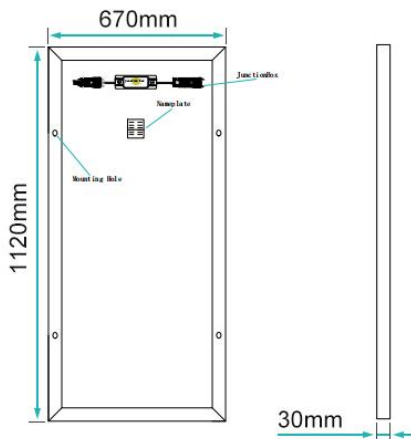
Less shading and lower resistive loss



Better mechanical loading tolerance



## MECHANICAL DIAGRAM

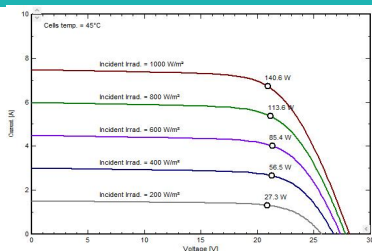


## SPECIFICATIONS

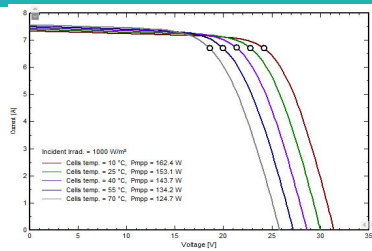
	cell	mono
Weight		7.6KG
Dimensions		1120*670*30mm±2mm
Cable Cross Section Size		4mm <sup>2</sup>
No. of cells		30 (3*10)
Junction BoX		IP68, 1 diodes
Connector		MC4
Cable Length		900mm
package size		1180*730*60mm
packed weight		8.4KG

TYPE	MK14-140	MK14-145	MK14-150	MK14-155	MK14-160
Rated Maximum Power (P <sub>max</sub> ) [W]	140	145	150	155	160
Open Circuit Voltage (V <sub>oc</sub> ) [V]	21.11	21.28	21.45	21.62	21.79
Short Circuit Current (I <sub>sc</sub> ) [A]	8.98	9.03	9.08	9.13	9.18
Maximum Power Voltage (V <sub>mp</sub> ) [V]	17.26	17.30	17.34	17.38	17.42
Maximum Power Current (I <sub>mp</sub> ) [A]	8.12	8.39	8.66	8.92	9.19
Power Tolerance	0 ~+5W				
Maximum System Voltage	1500V				
Operating Temperature	-40°C ~+85°C				
Safety Class	Class II				
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G				

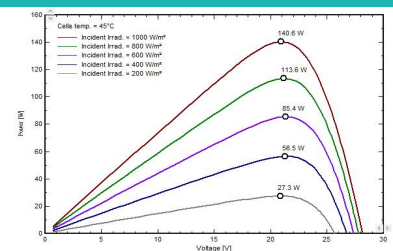
## CHARACTERISTICS



Curves under different irradiation intensities



Curves under different temperature conditions



Power under different irradiation conditions

# N-TOPcon MK30-200-225

High Efficiency Monocrystalline Solar Module

## 200W-225W

Output Power Range

## 72 Half Cell

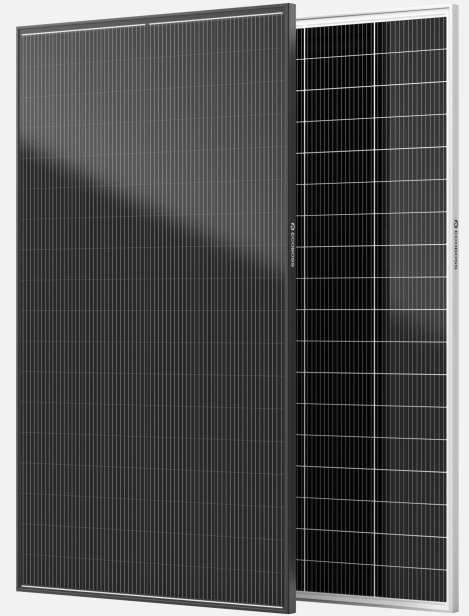
45.5\*182mm

## 22.0%

maximum efficiency

## 0 ~+5W

Positive Power Tolerance



Higher output Power



Low attenuation

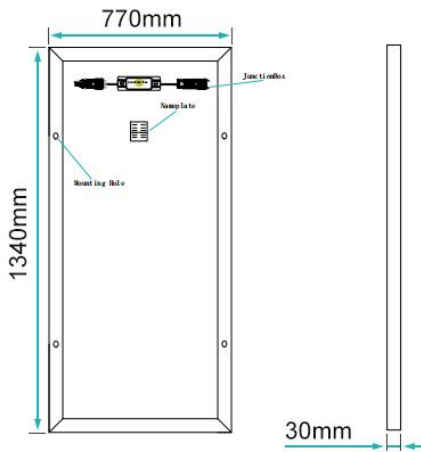


Less shading and lower resistive loss



Better mechanical loading tolerance

### MECHANICAL DIAGRAM

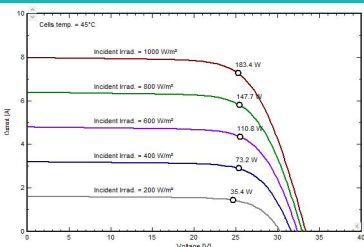


### SPECIFICATIONS

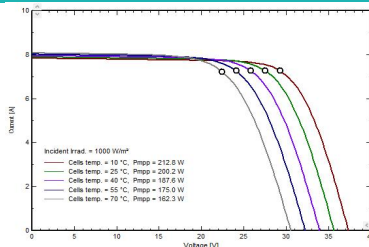
cell	mono
Weight	7.6KG
Dimensions	1340*770*30mm±2mm
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	72 (4*18)
Junction BoX	IP68, 1 diodes
Connector	MC4
Cable Length	900mm
package size	1400*830*60mm
packed weight	11.4KG

TYPE	MK30-200	MK30-205	MK30-210	MK30-215	MK30-220	MK30-225
Rated Maximum Power(P <sub>max</sub> ) [W]	200	205	210	215	220	225
Open Circuit Voltage(V <sub>oc</sub> ) [V]	23.06	23.23	23.40	23.57	23.74	23.91
Short Circuit Current(I <sub>sc</sub> ) [A]	10.32	10.47	10.62	10.79	10.96	11.13
Maximum Power Voltage(V <sub>mp</sub> ) [V]	20.84	20.88	20.92	20.96	21.00	21.04
Maximum Power Current(I <sub>mp</sub> ) [A]	9.60	9.82	10.04	10.26	10.48	10.70
Power Tolerance	0-+5W					
Maximum System Voltage	1500V					
Operating Temperature	-40°C-+85°C					
Safety Class	Class II					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G					

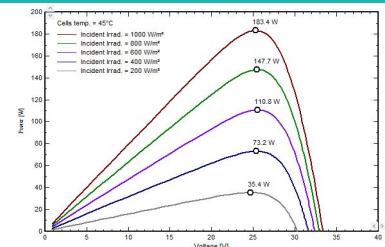
### CHARACTERISTICS



Curves under different irradiation intensities



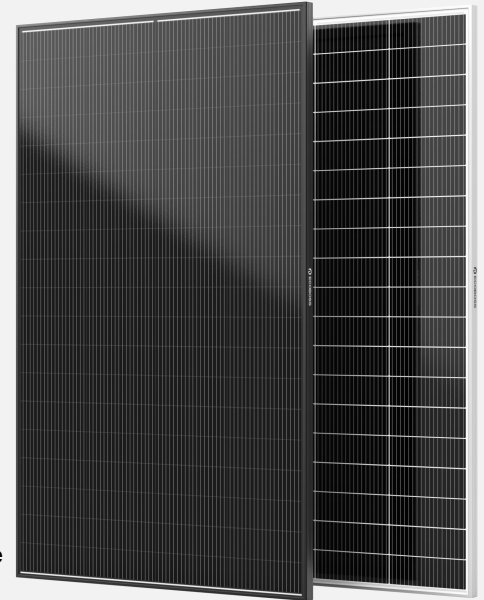
Curves under different temperature conditions



Power under different irradiation conditions

# ECOBOSS N-TOPcon MK04-245-270

High Efficiency Monocrystalline Solar Module



## 245W-270W

Output Power Range

## 22.0%

maximum efficiency

## 76 Half Cell

45.5\*182mm

## 0 ~+5W

Positive Power Tolerance



Higher output Power



Low attenuation

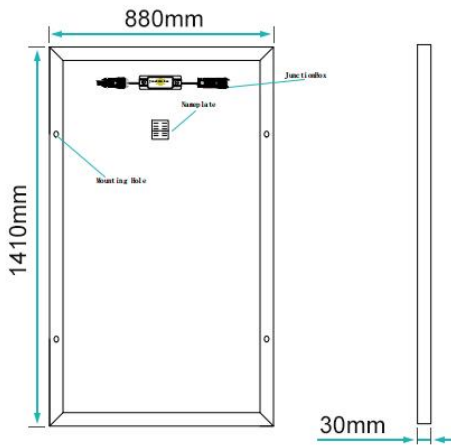


Less shading and lower resistive loss



Better mechanical loading tolerance

### MECHANICAL DIAGRAM

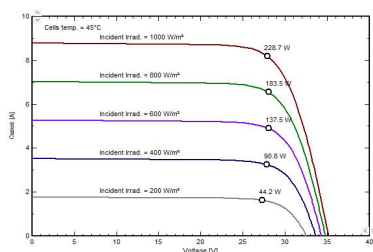


### SPECIFICATIONS

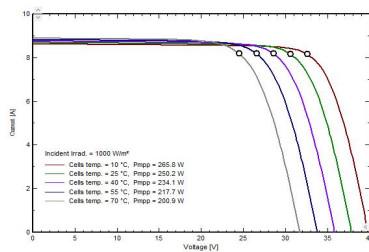
	cell	mono
Weight		12.3KG
Dimensions		1410*880*30mm±2mm
Cable Cross Section Size		4mm <sup>2</sup>
No. of cells		76 (4*19)
Junction BoX		IP68, 1 diodes
Connector		MC4
Cable Length		900mm
package size		1470*940*60mm
packed weight		13.6KG

TYPE	MK04-245	MK04-250	MK04-255	MK04-260	MK04-265	MK04-270
Rated Maximum Power(P <sub>max</sub> ) [W]	245	250	255	260	265	270
Open Circuit Voltage(V <sub>oc</sub> ) [V]	23.39	23.56	23.73	23.90	24.07	24.24
Short Circuit Current(I <sub>sc</sub> ) [A]	12.06	12.11	12.16	12.21	12.26	12.31
Maximum Power Voltage(V <sub>mp</sub> ) [V]	22.00	22.04	22.08	22.12	22.16	22.20
Maximum Power Current(I <sub>mp</sub> ) [A]	11.14	11.35	11.55	11.76	11.96	12.17
Power Tolerance	0-+5W					
Maximum System Voltage	1500V					
Operating Temperature	-40°C-+85°C					
Safety Class	Class II					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G					

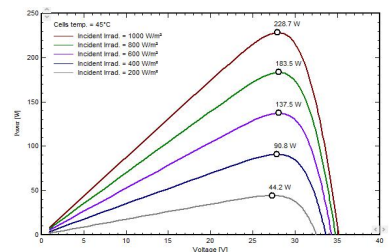
### CHARACTERISTICS



Curves under different irradiation intensities



Curves under different temperature conditions



Power under different irradiation conditions

**290W-330W**

Output Power Range

**22.7%**

maximum efficiency

**60 Half Cell**

45.5\*182mm

**0 ~+5W**

Positive Power Tolerance



Higher output Power



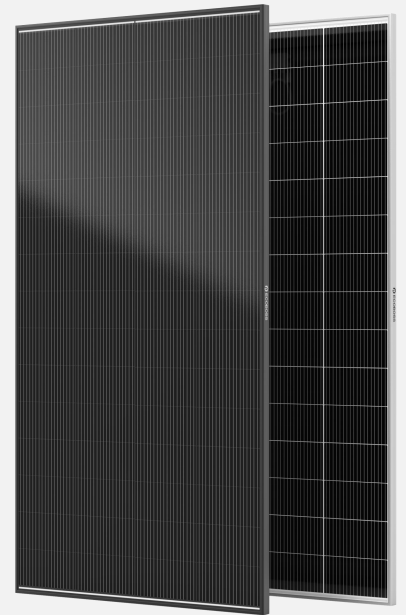
Low attenuation



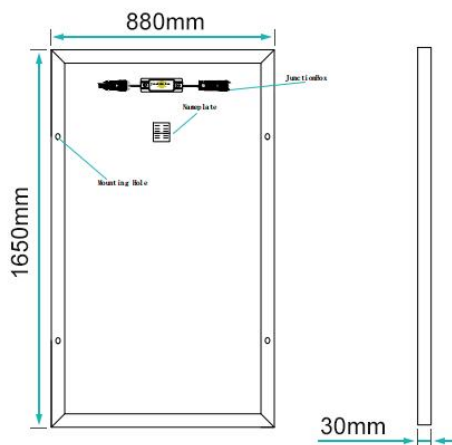
Less shading and lower resistive loss



Better mechanical loading tolerance



## MECHANICAL DIAGRAM

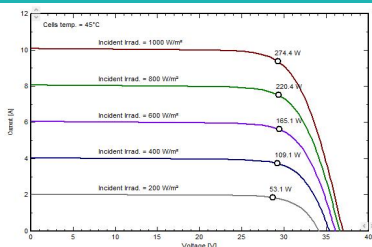


## SPECIFICATIONS

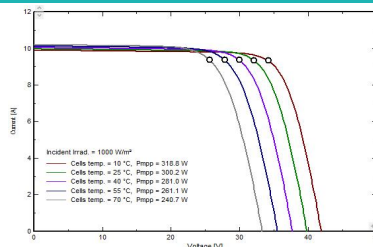
	cell	mono
Weight		14.3KG
Dimensions		1650*880*30mm±2mm
Cable Cross Section Size		4mm <sup>2</sup>
No. of cells		60 (4*15)
Junction BoX		IP68, 1 diodes
Connector		MC4
Cable Length		900mm
package size		1710*940*60mm
packed weight		15.9KG

TYPE	MK05-290	MK05-295	MK05-300	MK05-305	MK05-310	MK05-315	MK05-320	MK05-325	MK05-330
Rated Maximum Power (P <sub>max</sub> ) [W]	290	295	300	305	310	315	320	325	330
Open Circuit Voltage (V <sub>oc</sub> ) [V]	19.16	19.33	19.5	19.67	19.84	20.01	20.18	20.35	20.52
Short Circuit Current (I <sub>sc</sub> ) [A]	18.07	18.12	18.17	18.22	18.27	18.32	18.37	18.42	18.47
Maximum Power Voltage (V <sub>mp</sub> ) [V]	17.32	17.37	17.40	17.44	17.48	17.53	17.56	17.62	17.64
Maximum Power Current (I <sub>mp</sub> ) [A]	16.75	16.99	17.25	17.49	17.74	17.97	18.23	18.45	18.71
Power Tolerance	0-+5W								
Maximum System Voltage	1500V								
Operating Temperature	-40°C~+85°C								
Safety Class	Class II								
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, wind speed 1m/s, AM1.5G								

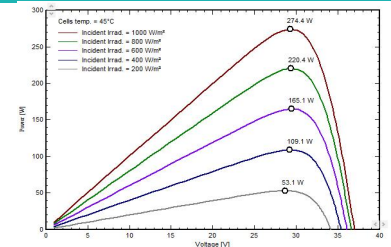
## CHARACTERISTICS



Curves under different irradiation intensities



Curves under different temperature conditions



Power under different irradiation conditions