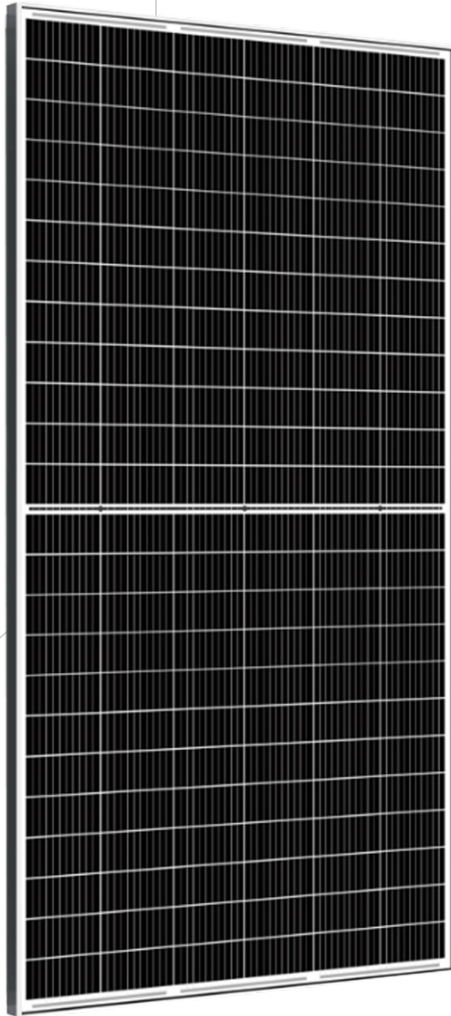




**ADiON**  
S O L A R



## Solar Modules MONO PERC 10BB 530W - 540W

### PRODUCT | KEY FEATURES



AR Coated Tempered Glass  
Anti-Reflective Module Surface



Excellent Module Efficiency



Positive Power Tolerance  
Up to 5W



Pre and Post EL Checking  
to ensure defect free modules



Ip68 Junction Box  
for Long Term Endurance



Ensure safety parameters  
through Safety test









Quality and Reliability assurance  
in standard weather condition

### THE INDUSTRY'S BENCHMARK

ADiON Solar's 540W module leads the market with an affordable solar energy solution. ADiON PV modules are the best in class with its long-term reliability and high power output.

### PRODUCT CERTIFICATES

					
Quality Trusted Mark	Split Junction Box	M10 Mono PERC Cell	Better Performance	Certified Mfg. Process	Environmental Mgt. System

### MADE IN INDIA



Industry leading linear power  
output warranty\*



Product warranty on  
materials and workmanship

# TECHNICAL DATA

## PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.)

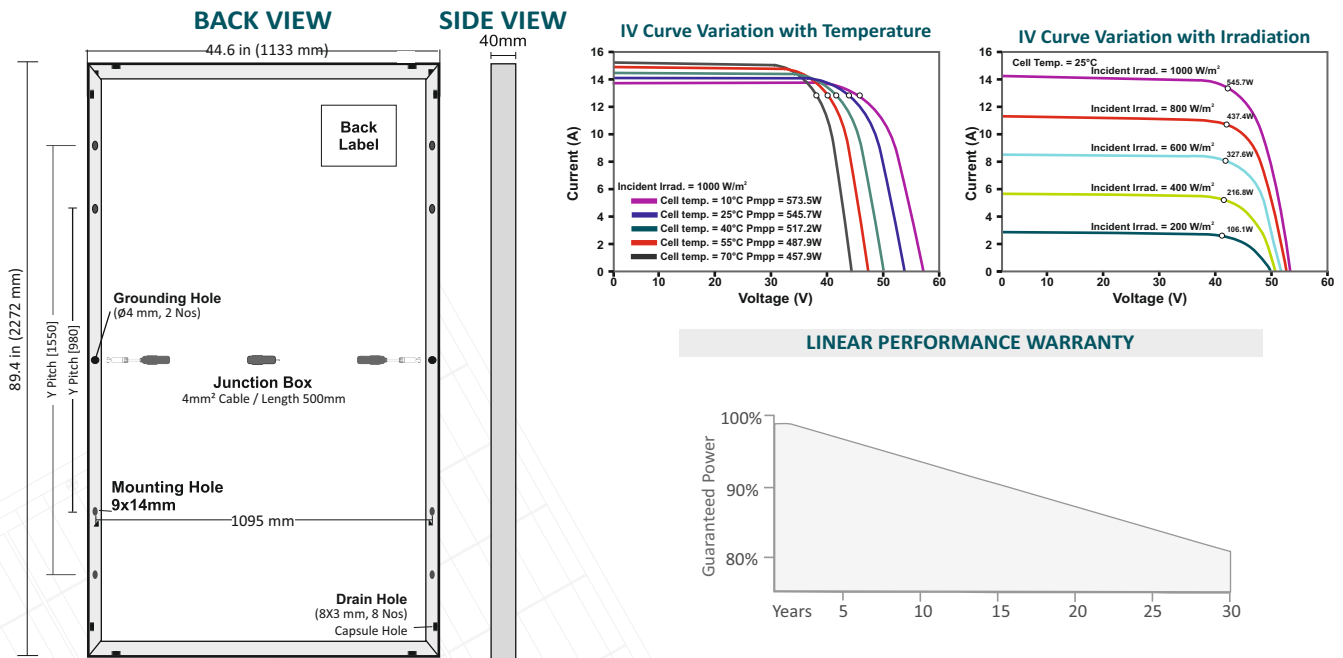
Nominal Maximum Power (Pmax)	<b>540W</b>	<b>535W</b>	<b>530W</b>
Optimum Operating Voltage (Vmp)	42.81	42.6	42.4
Optimum Operating Current (Imp)	12.63	12.56	12.5
Open Circuit Voltage (Voc)	49.3	49.03	48.88
Short Circuit Current (Isc)	13.51	13.42	13.38
Module Eff(%)	20.98	20.78	20.59

## PERFORMANCE UNDER NOCT (NOCT irradiances of 800 W/m<sup>2</sup>, ambient temperature of 20°C, Wind speed 1m/sec)

Nominal Maximum Power (Pmax)	408.19	404.41	400.63
Optimum Operating Voltage (Vmp)	39.49	39.29	39.11
Optimum Operating Current (Imp)	10.35	10.29	10.24
Open Circuit Voltage (Voc)	46.21	45.96	45.82
Short Circuit Current (Isc)	10.91	10.83	10.80

## Mechanical Specifications

Dimensions (L x W x T)	89.4 Inches x 44.6 Inches x 1.5 Inches (2272mm x 1133mm x 40mm)
Weight(kg)	28.6
No Of Cell	144 [12x6 / 12x6]
Aluminum Frame [40HS]	Silver Anodized Aluminum Alloy
Front Cover (Tempered Glass)	3.2 mm
Encapsulate	PID Free EVA (Ethylene Vinyl Acetate) & UV Resistant
Back Cover	Composite Film
Junction Box / Connector rating/Type	Split Junction Box (Ip68) - Weatherproof / MC4 compatible
Cable Cross - Section & Length	4mm <sup>2</sup> & 500mm
Application Class Rating	Class A
Safety Class Rating	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	[A] 1550mm [B] 980mm
Mounting Holes Pitch (X)-mm	1095mm



\*All dimensions are in mm with +/-1% tolerance.

\*graphics shown herein above are reference purpose only. Please consult ADION Solar Technical Team for any further clarification.

### MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	25A

### TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(Isc)$ :	0.0211%/°C
Voltage Temperature Coefficients $\beta(Voc)$ :	-0.2914%/°C
Power Temperature Coefficients $\gamma(Pmax)$ :	-0.3971%/°C

**Caution:** Please read safety and installation instructions before using the product. **\*Warranty:** Linear power warranty for 30 years up to 2.5% for 1st year degradation and 0.60% from year 2 to year 30. Please read ADION warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. ADION SOLAR reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.