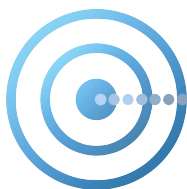


PV555MONO



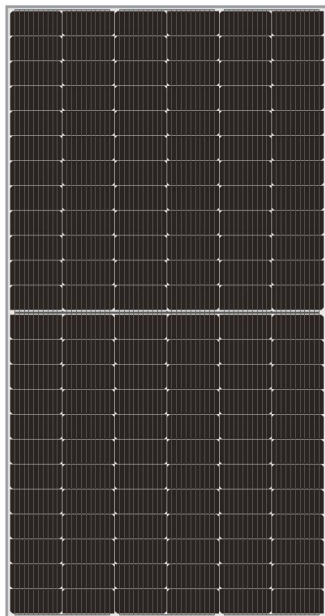
AIMS POWER™

www.aimscorp.net






PV555MONO

555 Watts

Mono Crystalline Panel



Key Features

-  PERC mono crystalline modules designed for residential and utility applications, rooftop or ground mountings
-  High power output of more than 555W and module efficiency up to 21.5%
-  Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
-  Outstanding performance in low-light irradiance environments
-  Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

Superior Warranty

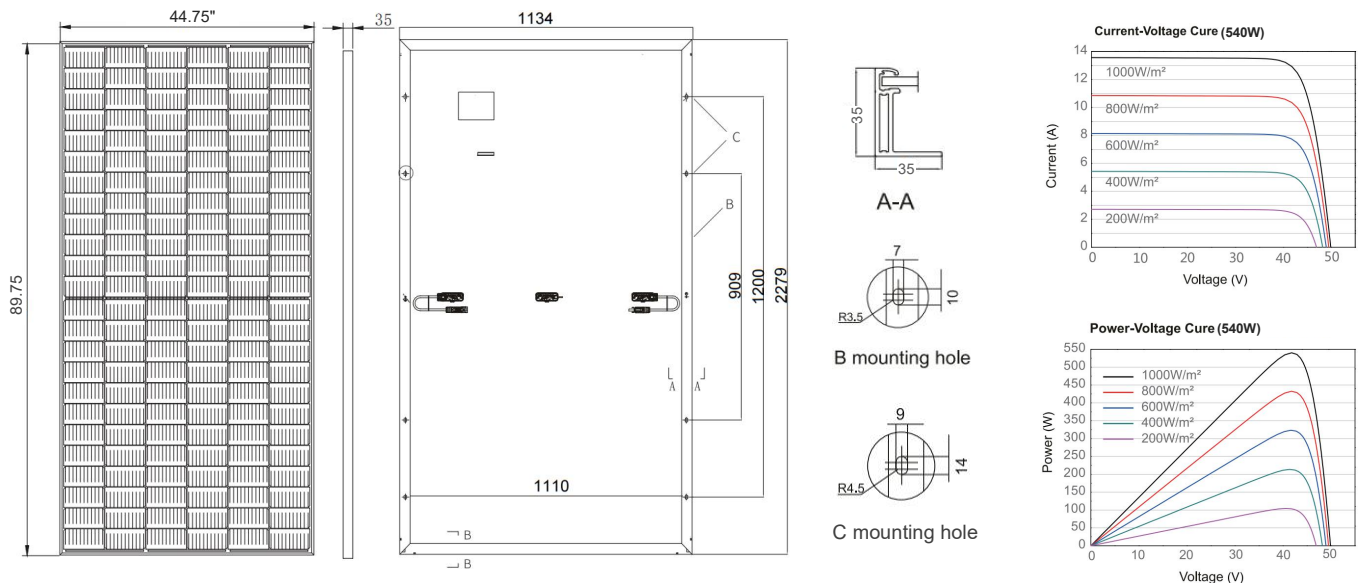
- ✓ 10-year limited product warranty for replacement
- ✓ 25-year power output warranty for replacement

Comprehensive Certification

- ✓ TUV-SUD
- ✓ ETL
- ✓ ISO9001/14001



Drawings&Curves



Mechanical Characteristics

Cell Type	144 (6x24) Mono 182×91 mm
Dimension	89.75"×44.75"×1.37"
Weight	60 lb
Front Material	Low iron Tempered Glass, 3.2mm
Cable	4mm ² , 300mm in length
Junction Box	IP67; Split Type; 3 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2°C
Temperature coefficient of Pmax	-0.38%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20°C, AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	PV555MONO
Maximum Power-Pmax (Wp)	555
Voltage at Maximum Power-Vmp (V)	42.11
Current at Maximum Power -Imp (A)	13.18
Open Circuit Voltage-Voc (V)	50.02
Short Circuit Current-Isc (A)	14.07
Module Efficiency-η _m (%)	21.5
Power Tolerance (W)	0/+5
Maximum System Voltage	DC 1500VDC (IEC/UL)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	25A

STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25°C, AM 1.5

Packing Configuration

Pallet: 31 PCS
40'HQ: 868PCS

Tiered Warranty

- ☀️ 10-year product warranty
- ☀️ 10-year warranty for 90% power output
- ☀️ 25-year warranty for 80% power output

