



SN/144HC-MF SERIES 540-555W



Overview

A fully certified, premium quality and high efficiency module made with A Grade materials manufactured in Turkey. Guaranteed positive tolerance of up to 5W.



QUALITY

- ISO 9001 CERTIFICATION
- ISO 10002 CERTIFICATION
- IEC 61215
- PIN-UP TECHNOLOGY LAMINATION
- NDC (NON-DESTRUCTIVE CUTTING)
- MICRO GAP
- EL CONTROL IN 3 LOCATIONS



COMPONENTS

- CERTIFIED SUPPLIERS
- STRICT CRITERIA FOR THE SELECTION OF CELLS (EUROPE AND ASIA)
- MC4-EVO2 TYPE CONNECTORS OR COMPATIBLE



TECH

- IEC 61215 AND 61730 PARTS II
- LOAD RESISTANCE -5400 PA
- HAIL IMPACT RESISTANCE CLASS 4
- MAX VOLTAGE 1500V



WARRANTY

- PRODUCT: 12 YEARS
- 1 YEAR: MONO (98%)
- 10 YEARS: 90% / 25 YEARS UP TO: 82% (LINEAR)



ENVIRONMENT

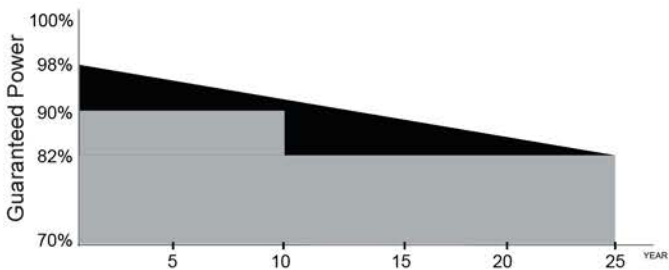
- REGULATED CARBON FOOTPRINT
- ISO 45001 AND ISO 14001 STD.



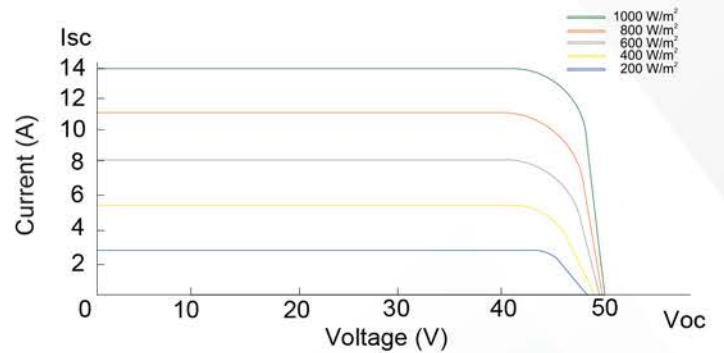
PRODUCT

- CLASS 540-555 WP -0/+4.99 WP
- MONO CELLS
- 144 CELLS PERC MODULE
- 10 BB

Linear Performance Warranty



I-V Curve



Solar Module

Electrical Characteristics

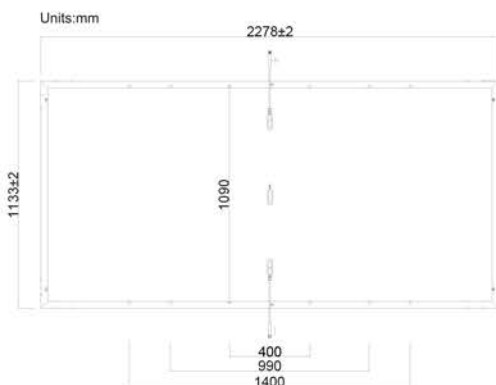
Rated Power	SN540 144HC-MF	SN545 144HC-MF	SN550 144HC-MF	SN555 144HC-MF
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Maximum Power Voltage (Vmp)	41.55	41.80	41.96	42.11
Open Circuit Voltage (Voc)	49.50	49.75	49.90	50.02
Short Circuit Voltage (Isc)	13.81	13.93	14.00	14.07
Module Efficiency (%)	20.90	21.10	21.30	21.50
Maximum System Voltage	1500V DC			
Maximum Series Fuse	25A			

Tested at Standart Test Conditions (STC): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C

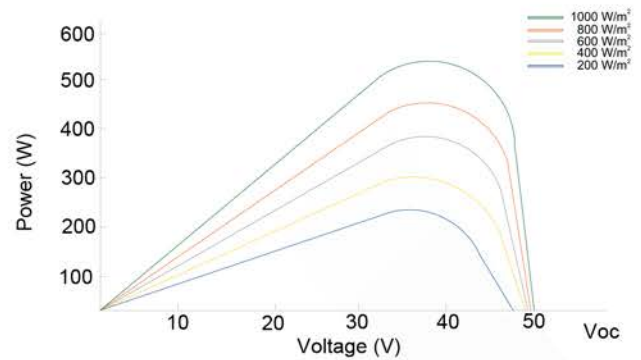
Mechanical Data

Dimensions	2278mmx1133mmx35mm
Weight	27.0kg
Frame	Anodized aluminum
Glass	3,2 mm , ARC ,tempered glass
Junction Box	IP68 / 3 diodes
Output Cables	4mm ² (IEC), Lenght: 350-1200 mm (vertical)* Cable length may vary depending on the installation method

Dimensions



P-V Curve



Temperature Characteristics

Pmax Temperature Coefficient	-0.35%/°C
Voc Temperature Coefficient	-0.27%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	-40~+80°C
Nominal Operating Cell Temperature (NOCT)	45 ± 2°C

Packing Configuration

Container	40'HQ
Pieces per Pallet	32
Pieces per Container	620



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