



144
Cells
Mono-Perc
MBB

SOLAR MODULES

520-550W

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)

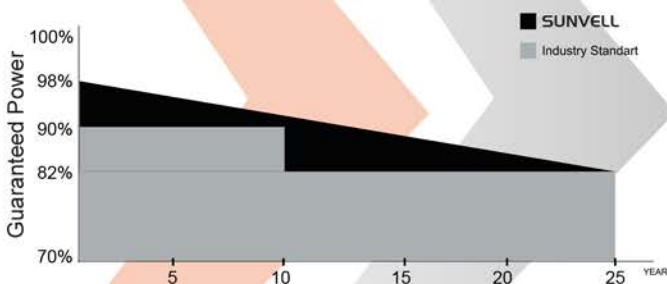


- ENVIRONMENT**
- REGULATED CARBON FOOTPRINT
 - ISO 45001 AND ISO 14001 STD.

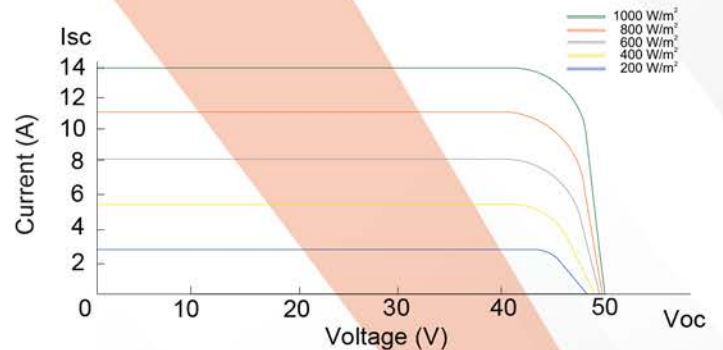


- PRODUCT**
- CLASS 520-550 WP -0/+4.99 WP
 - MONO CELLS
 - 144 CELLS PERC MODULE
 - II BB

Linear Performance Warranty



I-V Curve



Solar Module

Electrical Characteristics

Modül Tipi	ELNSM72M-540-HC-HV		ELNSM72M-545-HC-HV		ELNSM72M-550-HC-HV		ELNSM72M-555-HC-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
STC Maksimum Güç (Pmp)	540	406	545	412	550	416	555	420
Açık Devre Gerilimi (Voc)	49.50	46.18	49.75	46.55	49.90	46.68	50.02	46.85
Kısa Devre Akımı (Isc)	13.81	11.16	13.93	11.13	14.00	11.17	14.07	11.21
Maksimum Güç Gerilimi (Vmp)	41.55	38.39	41.80	39.20	41.96	38.43	42.11	39.66
Maksimum Güç Akımı (Imp)	13.00	10.59	13.04	10.51	13.11	10.55	13.18	10.59
STC Modül Verimi (ηm)	20.9		21.1		21.3		21.5	
Güç Toleransı (W)	(0, +4,99 W)							
Maksimum Sistem Gerilimi	1500V DC							
Maksimum Seri Sigorta Değeri	25 A							

* Ölçüm Toleransı +/- 3%

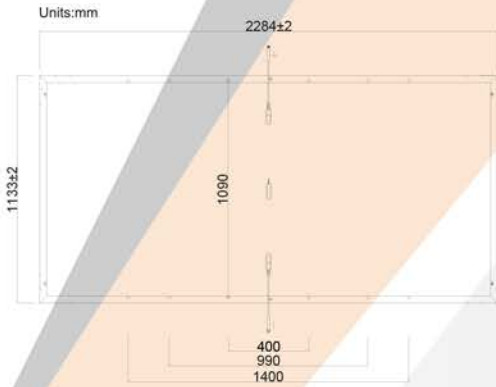
STC: Işınım 1000W/m², Hücre Sıcaklığı 25°C, AM=1.5

NOCT: Işınım 800W/m², Ortam Sıcaklığı 20°C, AM=1.5, Rüzgar Hızı 1m/s

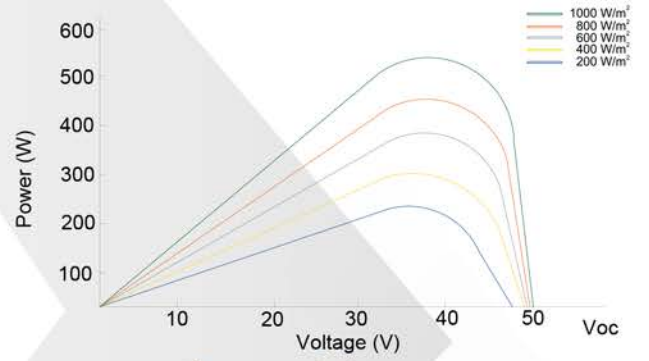
Mechanical Data

Dimensions	2284mm x 1133mm x 35mm
Weight	27.0kg
Frame	Anodized aluminum
Front Glass	3.2mm ARC, Low iron, tempered glass
Output Cables	4mm ² (IEC), Length: 350mm (vertical)

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)	43 ± 2°C

Packing Configuration

Container	40'HQ
Pieces per Pallet	31
Pieces per Container	620

