



PROJECTS





Completed Rooftop Installation Projects



TULU PORSELEN
Rooftop Installation
DC POWER: 2.207 kWp



GEMONT
Rooftop Installation
DC POWER: 2.250 kWp

ETİLİ SERAMİK

Rooftop Installation

DC POWER: 4.158 kWp

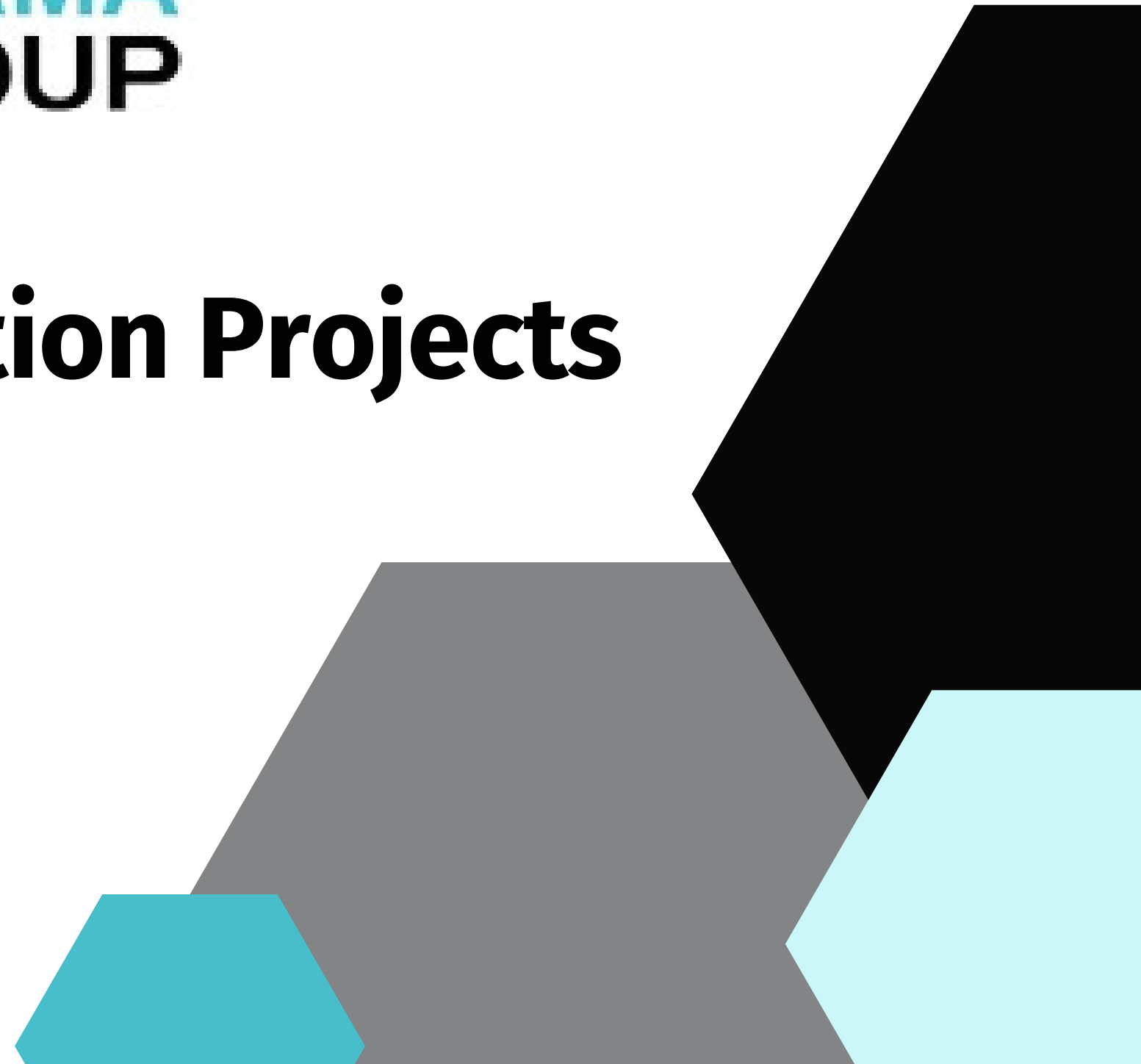


MFC İPLİK
Rooftop Installation
DC POWER: 2.420 kWp





Ongoing Land Installation Projects





ERHALLAR
Land Installation
DC POWER: 6.494 kWp

KIM GROUP
Land Installation
DC POWER: 5.997 kWp



YUNUS MARKET

Land Installation

DC POWER: 7.545 kWp



SOYTAŞ
Land Installation
DC POWER: 4.031 kWp



AS PLASTİK
Land Installation
DC POWER: 4.031 kWp





Completed Land Installation Projects



KARABÜK OSB
Land Installation
DC POWER: 2.342 kWp





ADALI CAM
Land Installation
DC POWER: 1.726 kWp

SERHAS HOTEL
Land Installation
DC POWER: 1.314 kWp





MEDİ BAFRA HOSPITAL
Land Installation
DC POWER: 1.337 kWp



All Projects List

Projects	Year	DC	Province	Projects	Year	DC	Province	Projects	Year	DC	Province
Avanos Belediyesi	2021	1166,4 kWp	Nevşehir	Ramazan Taşcan	2023	241,98 kWp	Uşak	Sezer Cam	2024	248,52 kWp	Uşak
Akçakiraz Belediyesi	2020	1198 kWp	Elazığ	ETPA Hayvancılık	2023	789,16 kWp	Ankara	Sayıtaş	2024	4031,04 kWp	Konya
Bayat Belediyesi	2020	820 kWp	Çorum	MFC Dış Ticaret	2023	1959,27 kWp	Uşak	ASM İnci	2024	287,28 kWp	Uşak
Kelkit Belediyesi	2020	820 kWp	Gümüşhane	Şuşa - CCN	2023	364,6 kWp	Azerbaycan	As Plastik	2024	1719,12 kWp	Konya
Gürçayır Belediyesi	2020	300 kWp	Sivas	Las Zırh	2023	1771,25 kWp	İstanbul	Adalı Cam 2	2024	402,21 kWp	İstanbul
Güneykaya Belediyesi	2020	199 kWp	Sivas	Kale Cam	2023	991,9 kWp	Yozgat	Ekta Arazi	2024	990,81 kWp	Uşak
Gemont Endüstri A.Ş.	2022	2250 kWp	Kocaeli	Göral Otomotiv	2023	701,96 kWp	Ankara	Alter Demir Çelik 2	2024	6721 kWp	Van
Bilsar Tekstil A.Ş.	2022	670,5 kWp	Çorum	Aysan Mermer	2023	425,1 kWp	Muğla	Alter Demir Çelik 3 Çatı	2024	1914 kWp	Karabük
Çandır Belediyesi	2022	1053 kWp	Yozgat	Çayboyu Mermer	2023	425,1 kWp	Muğla	Alter Demir Çelik 4	2024	14316,12 kWp	Van
ASL İplik	2022	670,5 kWp	Uşak	Tezcan Deri	2023	127,53 kWp	Uşak	Yunus Market	2024	7602,66 kWp	Konya
Darüşşifa Okulları	2022	99 kWp	Ankara	Uyarlar Mermer	2023	405 kWp	Muğla	EKV Press	2024	323,73 kWp	Düzce
Höbba Gıda	2022	121,5 kWp	Ankara	Serhas	2023	1314,54 kWp	Ankara	Hasçelik	2024	12019,02 kWp	Van
Tolga Reyhan	2022	3,6 kWp	Ankara	Nazar Mamulleri	2023	284,49 kWp	Sivas	Erhaller	2024	6420,7 kWp	Aydın
Aktaşlar	2022	489,6 kWp	Tokat	Taşpınar	2023	480,69 kWp	Sivas	TN YAPI	2024	5,94 kWp	İstanbul
Dumanoğlu Enerji	2022	6800 kWp	Kayseri	Taşpınar	2023	500,31 kWp	Sivas	Grindballs Bilya Çelik	2024	6031,74 kWp	Van
Ekta Tekstil	2023	792,45 kWp	Uşak	Bigchefs	2023	529,74 kWp	Sivas	Fatma Arslan	2024	3,27 kWp	Ankara
Kurmerson Mermer	2023	260,51 kWp	Muğla	Ege Kimya-1	2024	129,6 kWp	Uşak	BRT Mermer	2024	240 kWp	Muğla
Nezih Mermer	2023	263,23 kWp	Muğla	Ege Kimya-2	2024	129,6 kWp	Uşak	Onur Plastik	2024	1304,73 kWp	Kırıkkale
Canpa İzolasyon	2023	44,1 kWp	Ankara	İfa Tarım	2024	78,48 kWp	Osmaniye	Özen Gross	2024	2712,06 kWp	Konya
Üçtaş Mermer	2023	300 kWp	Muğla	Limca Cam	2024	2059,2 kWp	Yozgat	Özen Alışveriş - 1	2024	3749,46 kWp	Konya
Boren Mühendislik	2023	1118,34 kWp	İstanbul	Adalı Cam 1	2024	1324,35 kWp	İstanbul	Özen Alışveriş - 2	2024	4312,62 kWp	Konya
Etili	2023	4052,62 kWp	Çanakkale	Karabük OSB	2024	1920,58 kWp	Karabük	Özen Depolama	2024	431,64 kWp	Konya
Batı Grup	2023	130,25 kWp	İzmir	Demirci Makine	2024	421,83 kWp	Ankara	Ege Hakan Çatı	2024	509,31 kWp	Uşak
Çefinkaya	2023	662,4 kWp	Uşak	Toprakkale Belediyesi	2024	1059,48 kWp	Osmaniye	Sarteks	2024	4149,6 kWp	Konya
Yunus Kazan	2023	176,58 kWp	Ankara	Yunus Kazan	2024	176,58 kWp	Ankara	Sarboy	2024	6402,24 kWp	Nevşehir
Bilgi Deri	2023	116,8 kWp	Uşak	Mesevle Mermer	2024	999 kWp	Muğla	Ölmez Deri	2024	272,5 kWp	Uşak
Karmet Makine	2023	110,63 kWp	Ankara	Asyamer Mermer	2024	780 kWp	Muğla	Ece 1 GES	2024	6520,8 kWp	Konya
								Arslan GES	2024	3,27 kWp	Ankara



DC Power

138725,72 kWp



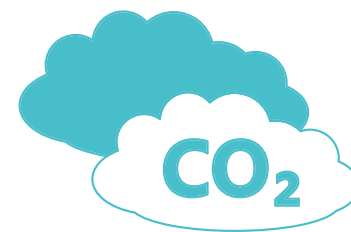
Electricity Produced

242.770.010 kWp



Number of Tree
Saved

159.118 Piece



Prevented CO2
Pelease

119.442.845 Ton



Number of
Foreset Saved

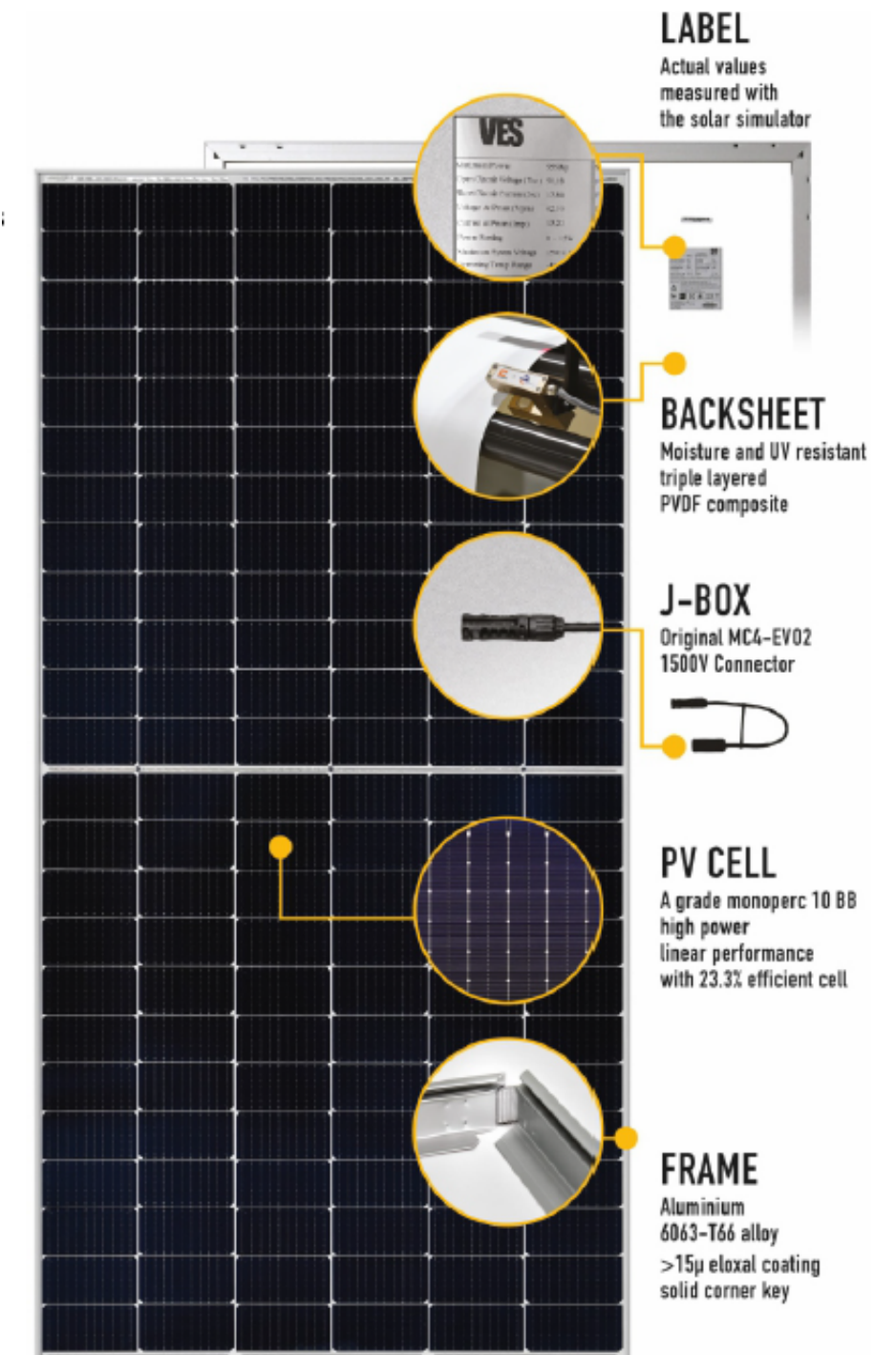
59,669 Hektar

VX144MP 545W~555W

Monofacial PV Module

Bringing The Energy of The Sun

- Label information based on each module's own I/V test results
- Incoming quality control tests applied to raw materials
- Electroluminescence (EL) tests applied at three points on the line
- Hi-pot, insulation and grounding tests applied to each panel
- Periodically performed gel content, EVA/PV cell peel and safety tests
- Visual inspections conducted post-lamination and before shipment
- Climate-controlled production area, curing tunnel, and storage
- Dust-free and anti-static production environment
- Real-time traceability and reporting for component and module
- Fully automated line for hands-free production and packaging

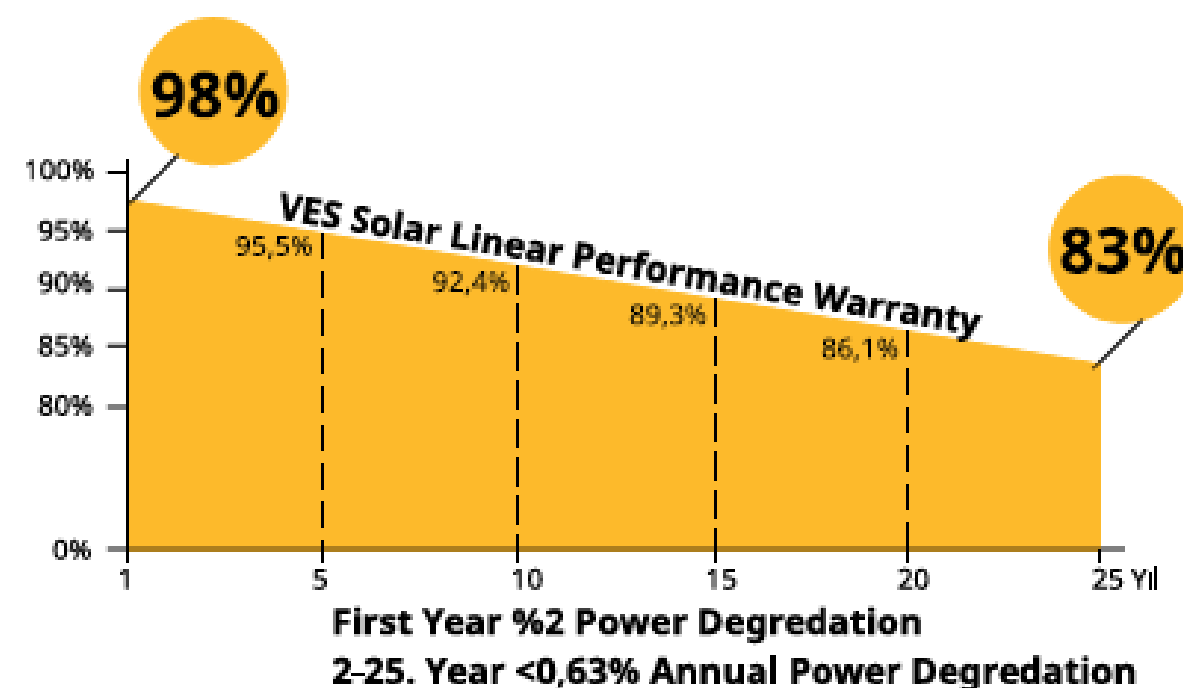




**PRODUCT
WARRANTY**



**PERFORMANCE
WARRANTY**



Product Certificates

IEC 61215-1:2021	Design qualification - Test requirements
IEC 61215-1-1:2021	Special requirements for crystalline silicon PV modules
IEC 61215-2:2021	Test procedures
IEC 61730-1:2018	PV module safety - Requirements for construction
IEC 61730-2:2018	PV module safety - Requirements for testing
IEC 61701:2020	Salt mist corrosion testing
IEC 62716:2013	Ammonia corrosion testing
IEC 62804-1-1:2020	Test methods for the detection of P.I.D

System Certificates

ISO 9001:2015	Quality Management System
ISO 45001:2018	Occupational H&S Management System
ISO 14001:2015	Environmental Management System



VX144MP 545W~555W

21,48%
Module Efficiency

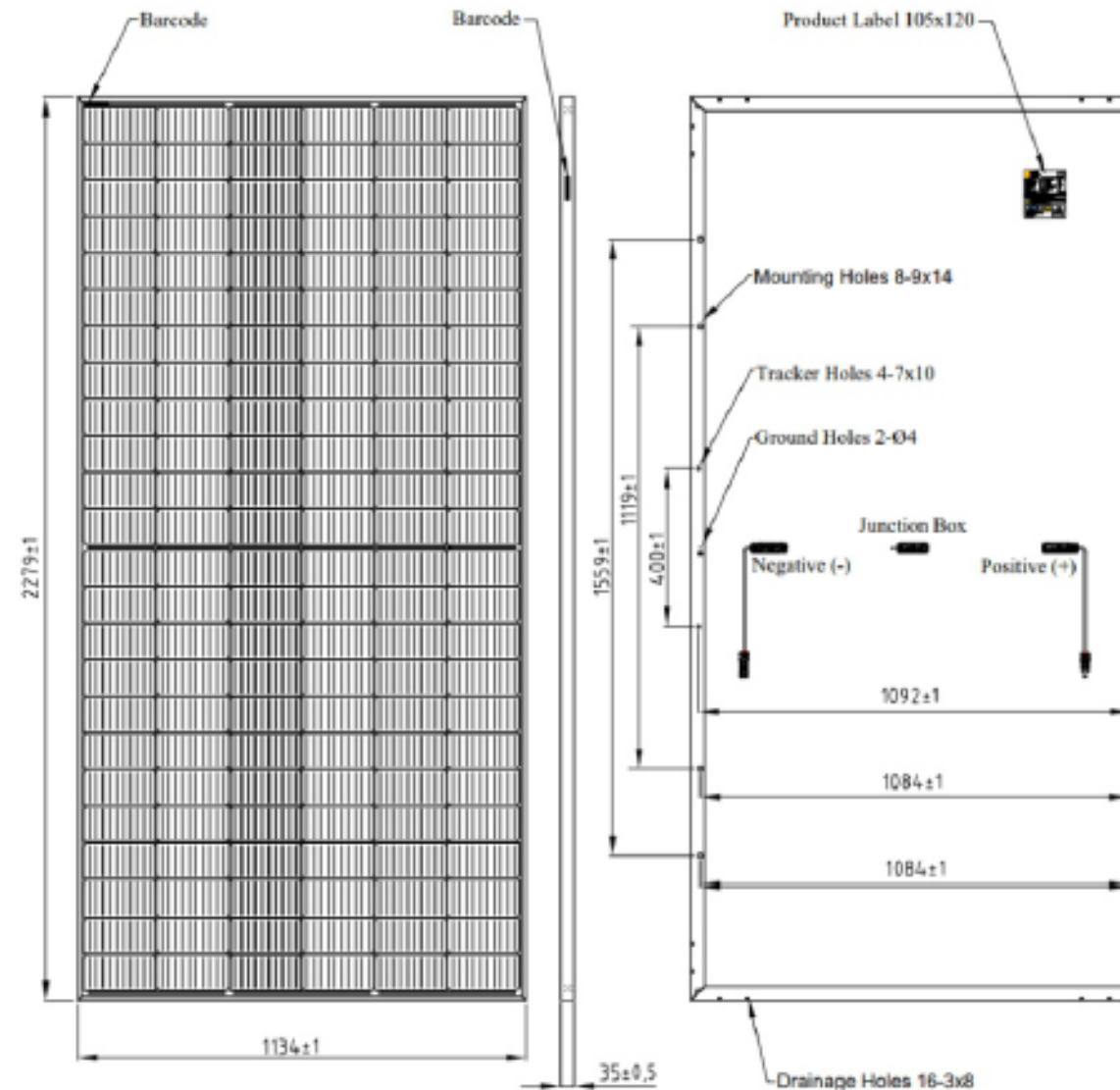
0~+5W
Positive Tolerance

MonoPERC
PV Cell Technology

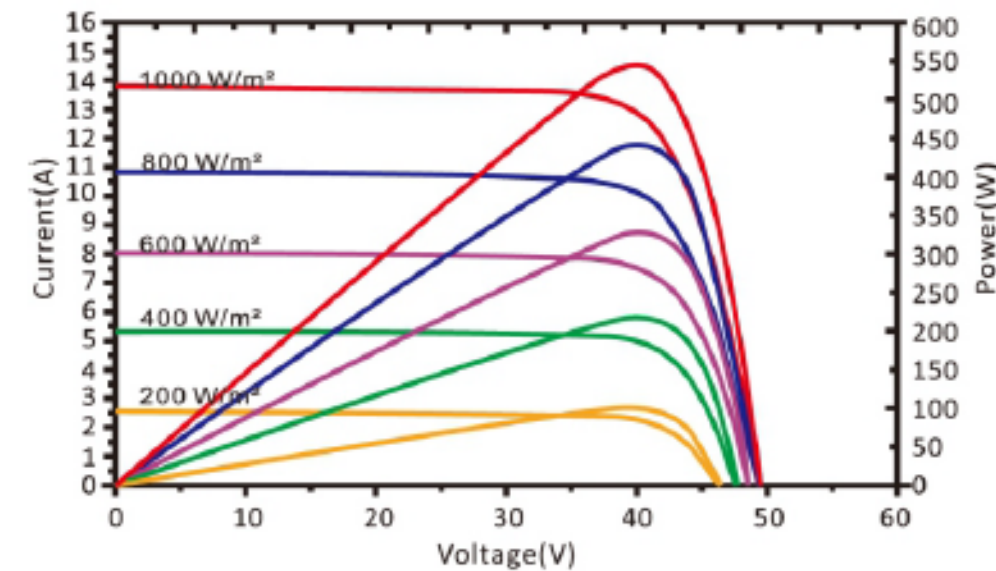
10BB - M10
PV Cell Type

Halfcut
144 Half Cells

Module Dimensions



I/V & Power Curves



Mechanical Properties

Cell Type	144 / 182 x 91 mm
Junction Box	IP68 rated- 3 diodes
Output Cables	4 mm ² / 350 mm vertical / 1300 mm horizontal
Connectors	Original MC4-EVO2
Glass	3,2 mm AR coated tempered glass
Frame	15 µ Eloxal coated 6063-T66 aluminium alloy
Encapsulant	EVA
Backsheet	Triple layered PVDF composite
Weight	27,5 kg
Dimensions	2279 x 1134 x 35 mm

Electrical Properties

Module Type	VX144MP - 545W		VX144MP - 550W		VX144MP - 555W	
Test Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power - Pmax (W)	545	409	550	413	555	417
Open Circuit Voltage - Voc (V)	49,95	46,66	50,08	46,81	50,15	46,87
Short Circuit Current - Isc (A)	13,67	11,01	13,79	11,01	13,84	11,14
Maximum Power Voltage - Vmp (V)	41,91	38,80	41,92	38,74	42,09	38,90
Maximum Power Current - Imp (A)	12,99	10,52	13,13	10,63	13,19	10,68
Module Efficiency (%)	21,06		21,29		21,48	

STC: Irradiance 1000 W/m², Cell Temperature 25 C°, AM: 1,5
Measurement Tolerance: ± 3%

NOCT: Irradiance 800 W/m², Ambient Temperature 20 C°, AM: 1,5 Wind Speed: 1 m/s

Temperature Characteristics (STC)

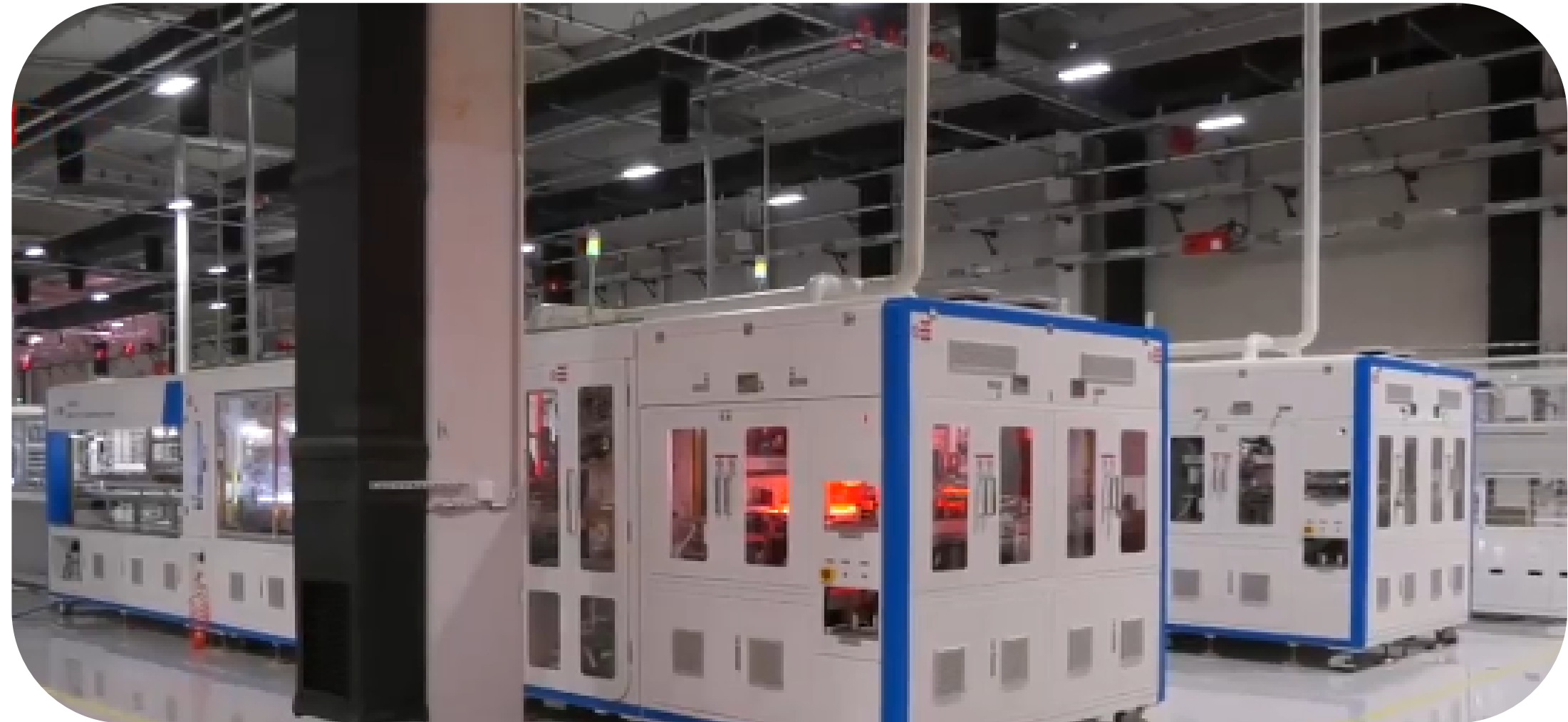
Operating Temperature	-40 C°~+85 C°
Temperature Coefficient of Isc	+0,0375 %/C°
Temperature Coefficient of Voc	-0,253 %/C°
Temperature Coefficient of Pmax	-0,331 %/C°
Nominal Cell Operating Temperature (NOCT)	45 ± 2 C°

Packaging

Packaging	31 modules per pallet / 20 pallets per 40'HC / 5 pallets per 20'GP
Package Size and Weight	WxLxH: 1135 x 2330 x 1300 mm / Gross 930 kg

Operational Characteristics

Power Tolerance	0~+5 W
Maximum System Voltage	DC 1500 V (IEC)
Maximum Series Fuse Rating	20 A
Application Class	Class II
Fire Rating	IEC Class C
Front Side Maximum Test Load	Snow load rating 5400 Pa
Rear Side Maximum Test Load	Wind load rating 2400 Pa
Hail Test	Ice ball velocity 23 m/s, size: 25 mm
Salt Mist Test	Severity (5)





WE THANK YOU