

PERC M530-550W



Introduktion

Denne gennemprøvede modulserie har over tid vist sig at være et af de mest kraftfulde og pålidelige produkter - og det mest populære valg af VE-systeminstallatører og kunder over hele verden.



Overkommelig pris



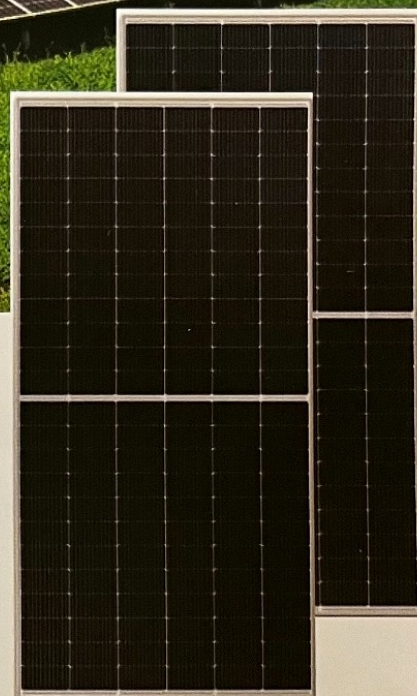
11 busbar solcelle-design



Anti-PID

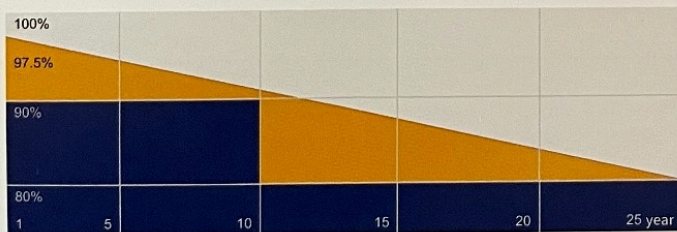


Streng kvalitetskontrol sikrer høj og pålidelig ydeevne



Overlegen forsikring

- 15 års produktgaranti
- 25 års lineær udgangseffekt



■ Linear Power Warranty

■ Industry Warranty

Omfattende certifikater

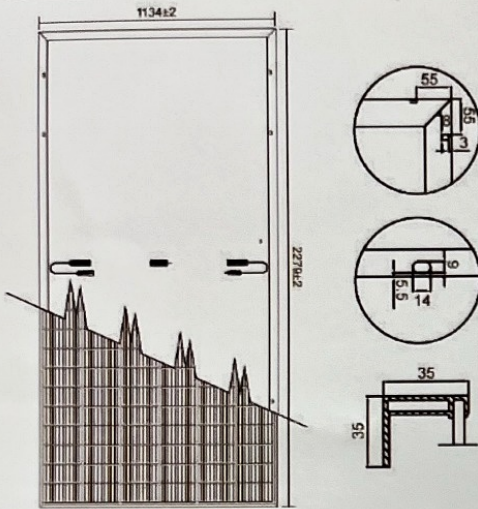
- IEC 61215, IEC 61730
- ISO 9001: 2015 Kvalitetsstyringssystemer
- ISO 14001: 2015 Miljøledelsessystemer
- ISO 45001: 2018 Ledelsessystemer for sundhed og sikkerhed på arbejdspladsen
- IEC TS 62941: 2016 Jordbaserede solcellemoduler (PV) - retningslinjer for øget tillid til PV-moduldesignkvalifikation og typegodkendelse




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MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	PERC-182mm
Weight	28.6kg
Dimensions	2279×1134×35mm
Cable Cross Section Size	4mm ² , 300mm
No. of cells	144(2x(6x12))
Junction Box	IP68, 3 diodes
Connector	1500V, MC4
Packaging Configuration	31 Per Pallet
Container	620pcs /40' HQ

ELECTRICAL PARAMETERS AT STC

TYPE	M530W	M535W	M540W	M545W	M550W
Rated Maximum Power(P _{max}) [W]	530	535	540	545	550
Open Circuit Voltage(V _{oc}) [V]	49.3	49.5	49.6	49.8	49.9
Maximum Power Voltage(V _{mp}) [V]	41.3	41.5	41.6	41.8	42.0
Short Circuit Current(I _{sc}) [A]	13.72	13.79	13.86	13.93	14.00
Maximum Power Current(I _{mp}) [A]	12.83	12.90	12.97	13.04	13.11
Module Efficiency [%]	20.5	20.7	20.9	21.1	21.3
Power Tolerance	0~+5W				
Temperature Coefficient of I _{sc} (α _{Isc})	+0.05%/°C				
Temperature Coefficient of V _{oc} (β _{Voc})	-0.28%/°C				
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.35%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G				

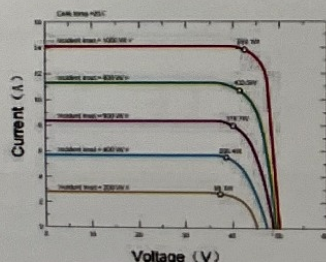
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

TYPE	BR-M530	BR-M535	BR-M540	BR-M545	BR-M550	OPERATING CONDITIONS	
Rated Max Power(P _{max}) [W]	401	405	408	412	416	Maximum System Voltage	1500VDC(IEC)
Open Circuit Voltage(V _{oc}) [V]	46.2	46.3	46.4	46.6	46.7	Operating Temperature	-40°C~+85°C
Max Power Voltage(V _{mp}) [V]	38.6	38.8	39.0	39.2	39.4	Maximum Series Fuse	25A
Short Circuit Current(I _{sc}) [A]	11.01	11.05	11.09	11.13	11.17	Maximum Static Load, Front	5400Pa
Max Power Current(I _{mp}) [A]	10.39	10.43	10.47	10.51	10.55	Maximum Static Load, Back	2400Pa
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					NOCT	45±2°C
						Application Class	Class A+ Grade

CHARACTERISTICS

I-V Curve at Different Irradiance(550W)



P-V Curve at Different Irradiance(550W)

