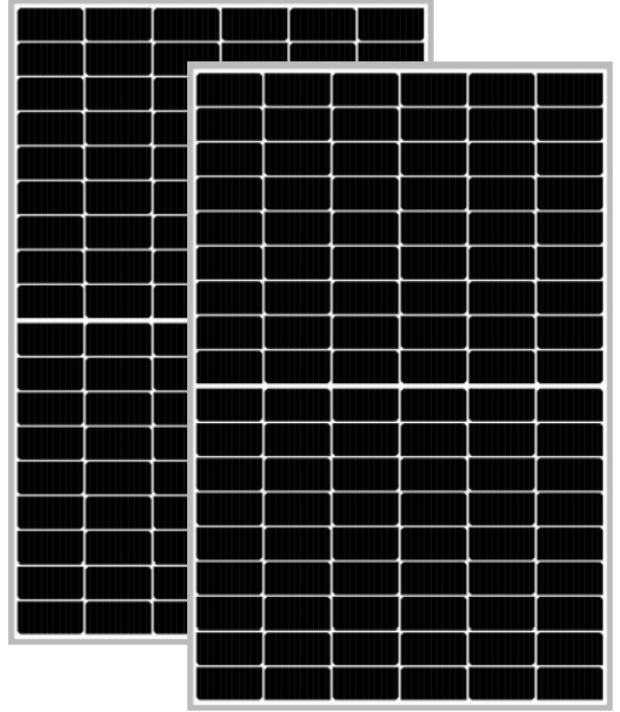


12BB

530W – 550W

108 HALF
CUT CELL



KEY FEATURES



12BB HALF-CUT CELL TECHNOLOGY

NEW CIRCUIT DESIGN, LOWER INTERNAL CURRENT, LOWER RS LOSS GA DOPPED WAFER, ATTENUATION <2% (1ST YEAR) / $\leq 0.55\%$ (LINEAR)



SIGNIFICANTLY LOWER THE RISK OF HOT SPOT

SPECIAL CIRCUIT DESIGN WITH MUCH LOWER HOT SPOT TEMPERATURE



LOWER LCOE

2% MORE POWER GENERATION, LOWER LCOE

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Nakişlar Mah. Zafer-1 Cad. No:15/1
Erenler/SAKARYA

ELECTRICAL CHARACTERISTICS

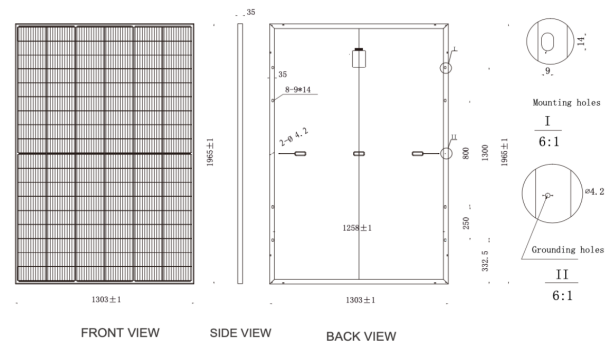
Module Type	530W	535W	540W	545W	550w
Max Power at STC, Pmax	530W	535W	540W	545W	550W
Short Circuit Current, Isc	18.28A	18.33A	18.38A	18.45A	18.49A
Open Circuit Voltage, Voc	37.0V	37.2V	37.5V	37.7V	37.9V
Max Power Current, Impp	17.27A	17.31A	17.36A	17.42A	17.46A
Max Power Voltage, Vmpp	30.7V	30.9V	31.1V	31.3V	31.5V
Module Efficiency	20.70%	20.90%	21.09%	21.29%	21.48%
Power Tolerance	0, + 5W	0,+5W	0, +5W	0,+5W	0,+5W
Max System Voltage	VDC1500V				
Max Series Fuse	30A				
Increased Snow Load	5400 Pa				
Operating Temperature	-40 - +85 C Degrees				
Number of Bypass Diodes	3				
Pmax Temperature Coefficient	-0.35 % C Degrees				
Voc Temperature Coefficient	-0.27% C Degrees				
Isc Temperature Coefficient	0.05C Degrees				

STC: 1000W/m², 25 Degrees Centigrade Cell Temperature, AM1.5

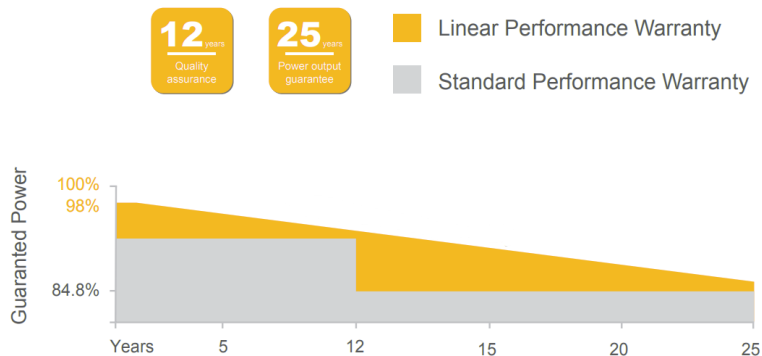
MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 210x105mm
Number Of Cells	108 (6x18)
Dimensions(AxBxC)	1965x1303x35mm
Weights	28.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

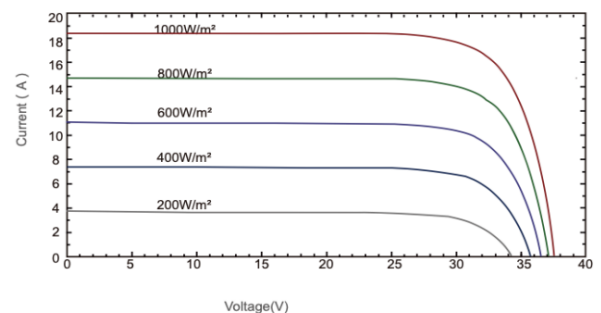
MECHANICAL DRAWINGS



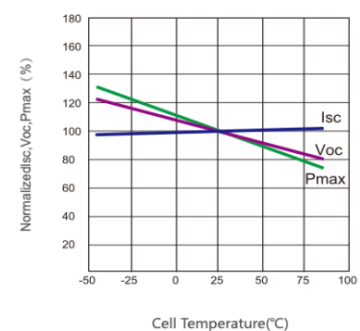
LINEAR PERFORMANCE WARRANTY



I-V CURVES



Power voltage current curve at different temperature



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