



Mono Perc Series

Half-Cell 525 - 555 Wp



12 Year Warranty for
Materials and Processing



25 Year Warranty for Extra
Linear Power Output



Higher output
power



Less shading and
lower resistive loss



Lower LCOE



Better mechanical
loading tolerance



Higher energy density
per square foot



Enhanced junction
box

21,30%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

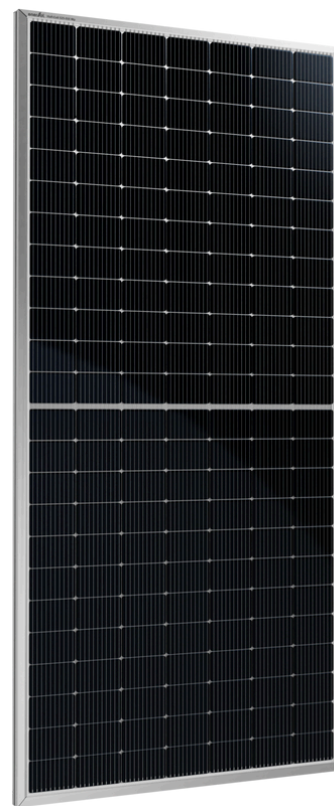
<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF - CELL
Lower operating temperature

Mechanical Parameters

Cell Orientation	144 (6*12*2)
Junction Box	Plastics IP68, 3 bypass-diodes
Output Cable	1300mm, 4mm ²
Glass	3,2mm solar glass
Frame	Anodized aluminium
Weight	29.5kg
Dimensions (mm)	2280* 1134*35



Electrical Characteristics

Module Type	Testing Condition	Maximum Power	Open circuit voltage(V)	Short circuit current (A)	Voltage at Maximum power (V)	Current at Maximum Power (A)	Module Efficiency
525WP	STC	525	49,15	13,65	41,15	12,76	20,30%
530WP	STC	530	49,30	13,72	41,31	12,83	20,50%
535WP	STC	535	49,45	13,79	41,47	12,90	20,70%
540WP	STC	540	49,60	13,86	41,64	12,97	20,90%
545WP	STC	545	49,75	13,93	41,80	13,04	21,10%
550WP	STC	550	49,90	14,00	41,96	13,11	21,30%
555WP	STC	555	50.05	14.07	42,11	13.18	21,50%

Operating Parameters

Operational Temp	minus 40°C to 85°C
Power Output Tolerance	0~+5Wp
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	15A
Nominal Operating Cell Temperature	48°C

Temperature Ratings STC

Temperature Coefficient of is	(+)-0,04%/
Temperature Coefficient of Voc	K
Temperature Coefficient of Pmax	(-)-0,30%/

