



Mono Perc Series

Half-Cell 400 - 440 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

22,19%
MAX MODULE
EFFICIENCY

0~+5W
POWER
TOLERANCE

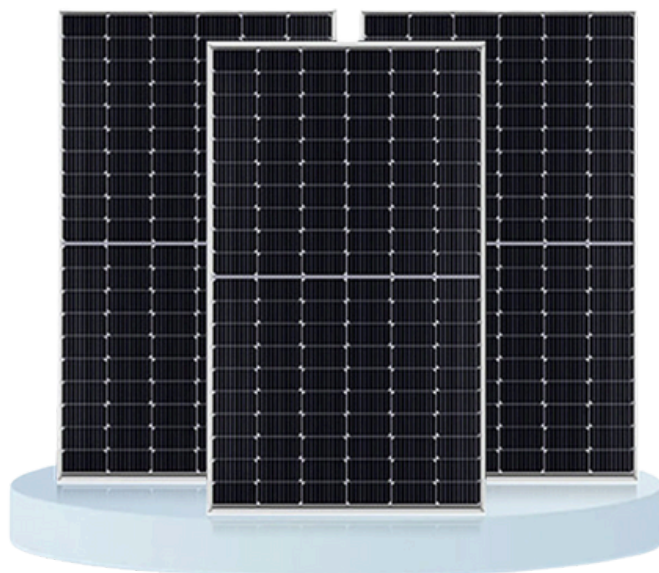
<2%
FIRST YEAR
POWER DEGRADATION

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	1100mm, 4mm ²
Glass	3,2mm solar glass
Frame	Anodized aluminium
Weight	22,4kg
Dimensions (mm)	1748*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
400WP	STC	400	37,20	13,43	31,25	12,18	20,17%
405WP	STC	405	37,40	13,54	31,42	12,89	20,43%
410WP	STC	410	37,60	13,65	31,59	12,98	20,68%
415WP	STC	415	37,80	13,76	31,76	13,06	20,93%
420WP	STC	420	38,00	13,87	31,93	13,15	21,18%
425WP	STC	425	38,20	13,89	32,10	13,24	21,44%
430WP	STC	430	38,40	14,09	32,27	13,33	21,69%
435WP	STC	435	38,60	14,19	32,44	13,41	21,94%
440WP	STC	440	38,80	14,30	32,61	13,50	22,19%

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	40 -48°C

Temperature Ratings STC

Temperature Coefficient of I_s	(+)-0,04%/K
Temperature Coefficient of V_{oc}	(-)-0,30%/K
Temperature Coefficient of P_{max}	(-)-0,40%/K

