

PERC Monocrystalline

Solar Module

HP550-570W-PS

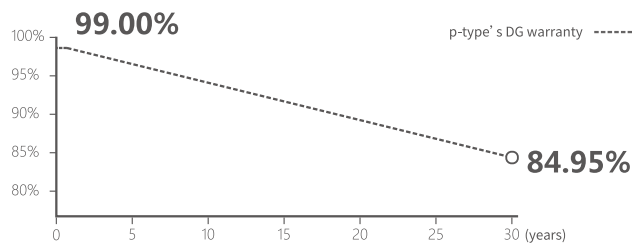
Warranty



12-year Product Warranty



30-year Linear Power Warranty



550~570W



PERC

Novel upgrade, enhancing module efficiency



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



Non-destructive Cutting

Improved cell bending strength, ensuring mechanical performance



POSITIVE QUALITY™
Continuous Quality Assurance

IEC 61215 / IEC 61730 / IEC 61701 / IEC 62716 / IEC 60068 / IEC 62804
ISO 9001:2015:ISO Quality Management System
ISO 14001:2015:ISO Environment Management System
ISO 45001:Occupational Health and Safety
The first solar company which passed the Nord IEC/TS 62941 certification audit

550~570W

POWER RANGE

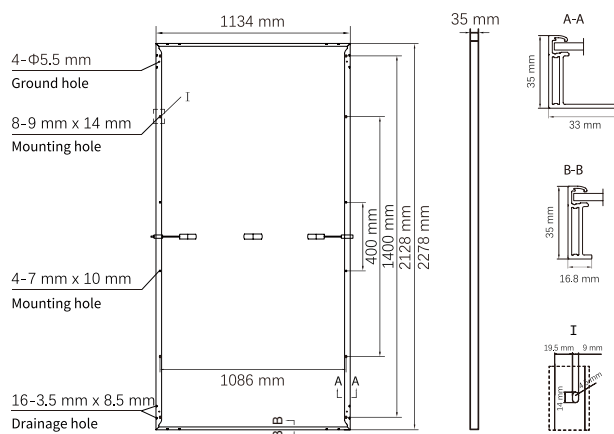
0~+3%

POWER SORTING

22.1%MAX MODULE
EFFICIENCY**≤ 1.0%**FIRST YEAR
POWER DEGRADATION**≤ 0.4%**YEAR 2-30
POWER DEGRADATION

Mechanical Specifications

Outer dimensions (L x W x H)	2278 x 1134 x 35 mm
Cell type	Perc mono-crystalline
No. of cells	144 (6*24)
Frame technology	Aluminum, silver anodized
Front glass thickness	3.2 mm
Cable length (Including connector)	Portrait: (+)350 mm, (-)250 mm; Customized length
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 (Standard) / MC4-EVO2A (Optional)
Module weight	27 kg
Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	885 kg
Modules per 40' HQ container	620 pcs



Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Module Type	HP550W-PS		HP555W-PS		HP560W-PS		HP565W-PS		HP570W-PS	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	550	411.1	555	414.8	560	418.6	565	422.5	570	426.5
Open Circuit Voltage (V _{oc} /V)	49.8	46.82	49.95	46.97	50.10	47.11	50.25	47.26	50.4	47.41
Short Circuit Current (I _{sc} /A)	13.99	11.29	14.05	11.34	14.10	11.38	14.15	11.42	14.20	11.46
Voltage at Maximum Power (V _{mp} /V)	41.95	39.14	42.10	39.28	42.25	39.42	42.40	39.56	42.55	39.70
Current at Maximum Power (I _{mp} /A)	13.12	10.51	13.19	10.56	13.26	10.62	13.33	10.68	13.40	10.74
Module Efficiency(%)	21.3		21.5		21.7		21.9		22.1	

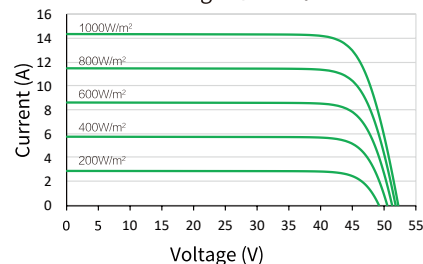
Temperature Ratings (STC)

Temperature coefficient (P _{mp})	-0.29%/°C
Temperature coefficient (I _{sc})	+0.043%/°C
Temperature coefficient (V _{oc})	-0.25%/°C

Operating Parameters

No. of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	25 A
Max. system voltage (IEC/UL)	1500V _{DC}

Current-Voltage (570W)



Power-Voltage (570W)

