

HRAP-156H 570-590M10

21.05%
Maximum Module Efficiency

590W
Maximum Power Output

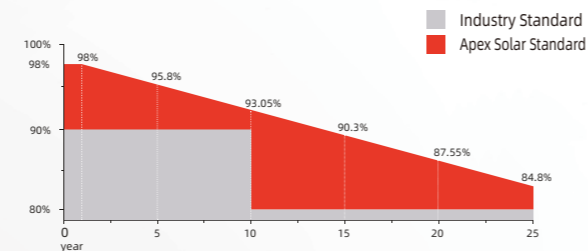
Power Shorting Tolerance:0~+3W

2474×1134×35mm
Module Dimensions

IEC 61215 / IEC 61730
Fire safety class:Class C according to UL790
ISO 9001 :Quality Management System
ISO 14001 :Environment Management



Industry Leading Linear Power Warranty
12-year Warranty for Materials and Processing . 25-year Warranty for Extra Linear Power Output



12 YEARS Process Warranty **25 YEARS** Power Warranty

High Efficiency Half-cells Solar Panel HRAP-156H 570-590M10

ELECTRICAL PARAMETERS AT STC

	570	575	580	585	590
Rated Maximum Power(Pmax) [W]	570	575	580	585	590
Maximum Power Voltage(Vmp) [V]	44.02	44.17	44.32	44.47	44.62
Maximum Power Current(Impp) [A]	12.96	13.03	13.1	13.17	13.23
Open Circuit Voltage(Voc) [V]	53.22	53.37	53.52	53.67	53.82
Short Circuit Current(Isc) [A]	13.4	13.48	13.56	13.64	13.72
Module Efficiency [%]	20.34	20.51	20.69	20.87	21.05

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

ELECTRICAL PARAMETERS AT NMOT

	426	430	434	438	442
Rated Maximum Power(Pmax)[W]	426	430	434	438	442
Maximum Power Voltage(Vmp) [V]	40.5	40.65	40.8	40.95	41.1
Maximum Power Current(Impp) [A]	10.53	10.59	10.65	10.71	10.77
Open Circuit Voltage(Voc) [V]	48.91	49.06	49.21	49.36	49.51
Short Circuit Current(Isc) [A]	11.17	11.24	11.31	11.38	11.44

NMOT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1m/s

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	182×182mm
Cell Arrangement	156(6×26)
Weight	31.0kg(±3%)
Module Dimensions	2474×1134×35mm
Cable	4.0 mm ² positive/negative:300mm(11.8inches),length Can be customized
Front Glass	3.2 mm high transmittance,AR coating tempered glass
Frame	Anodized aluminium alloy
junction Box	Protection class Ip68
Connector	Mc4 Compatible
Mechanical Load	Front side 5400Pa/Rear side 2400Pa

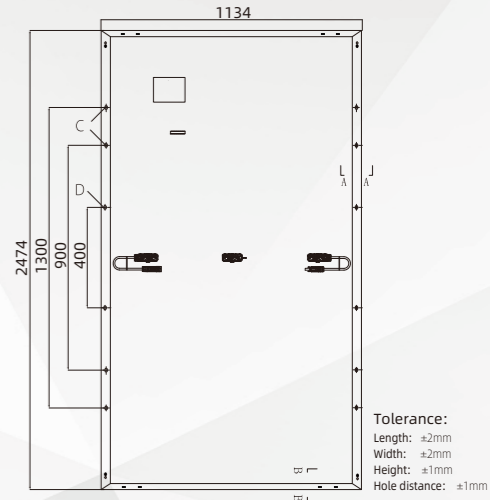
OPERATING CONDITIONS

Maximum System Voltage (V)	1000VDC/1500VDC
Pmax Temperature Coefficient	-0.34%/°C
Voc Temperature Coefficient	-0.28%/°C
ISC Temperature Coefficient	+0.05%/°C
Nominal Operating Cell Temperature	45±2°C
Operating Temperature	- 40°C~+85°C
Maximum Series Fuse	20A

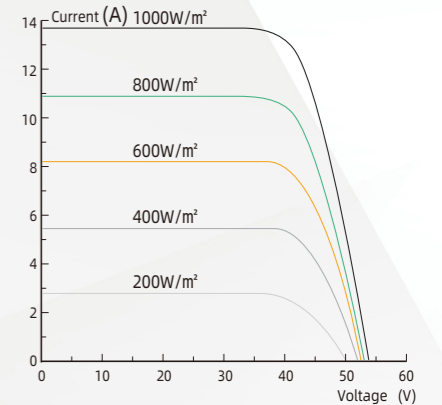
PPACKING CONFIGURATION

Quantity/Pallet	31pcs/pallet
Quantity/Container	558pcs/40HQ

Module Dimension(mm)



Current-Voltage Curve (590W)



Power-Voltage Curve (590W)

