

HRAP-110H 540-560M12

21.4%
Maximum Module Efficiency

560W
Maximum Power Output

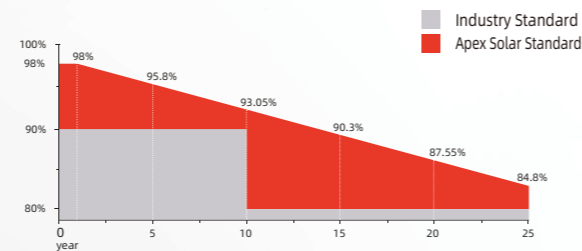
Power Sorting Tolerance: 0~+3W

2384×1096×35mm
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 Process Warranty **25** Power Warranty

High Efficiency Half-cells Solar Panel HRAP-110H 540-560M12

ELECTRICAL PARAMETERS AT STC

	540	545	550	555	560
Rated Maximum Power(Pmax) [W]	540	545	550	555	560
Maximum Power Voltage(Vmp) [V]	31.2	31.4	31.6	31.8	32
Maximum Power Current(Impp) [A]	17.33	17.37	17.4	17.45	17.5
Open Circuit Voltage(Voc) [V]	37.5	37.7	37.9	38.1	38.3
Short Circuit Current(Isc) [A]	18.41	18.47	18.52	18.56	18.6
Module Efficiency [%]	20.7	20.9	21	21.2	21.4

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

ELECTRICAL PARAMETERS AT NMOT

	409	413	417	420	424
Rated Maximum Power(Pmax)[W]	409	413	417	420	424
Maximum Power Voltage(Vmp) [V]	29	29.2	29.3	29.5	29.7
Maximum Power Current(Impp) [A]	14.1	14.15	14.19	14.23	14.27
Open Circuit Voltage(Voc) [V]	35.3	35.5	35.7	35.9	36.1
Short Circuit Current(Isc) [A]	14.84	14.88	14.92	14.96	15

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

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	210×210mm
Cell Arrangement	110(5×22)
Weight	28.60kg
Module Dimensions	2384×1096×35mm
Cable	4.0 mm ² positive/negative:1000mm,length Can be customized
Front Glass	3.2 mm high transmittance,AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	Protection class Ip68
Type of Connector	MC4: PV-XT101.1 (Suzhou Xtong Photovoltaic Technology Co., Ltd)
Mechanical Load	Front side 5400Pa/Rear side 2400Pa

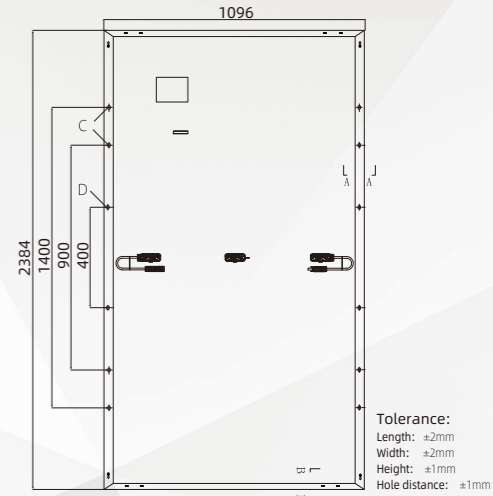
OPERATING CONDITIONS

Maximum System Voltage (V)	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	30A

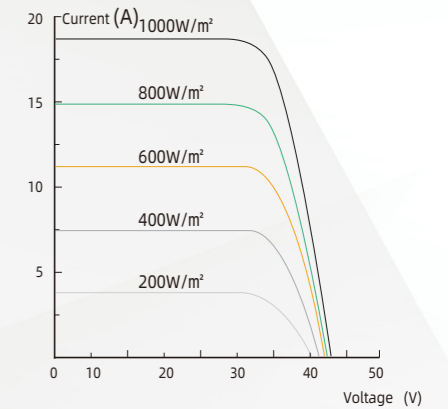
PPACKING CONFIGURATION

Quantity/Pallet	31 pcs/pallet
Quantity/Container	616 pcs/40HQ

Module Dimension(mm)



Current-Voltage Curve (560W)



Power-Voltage Curve (560W)

