










■ N-Type Solar Module

KEY FEATURES

-  Excellent performance in low-light environments
-  High quality junction box and connector systems
-  100% inspection, to guarantee the reliability of solar systems
-  Lower temperature
-  Anti PID
-  Enhanced safety by excellent fire resistance
-  Perfect for sandy, snowy and high latitude regions
-  Lower operating temperature, more reliable
-  Cutcell, Less internal power loss, Less mismatch loss

Full Screen

No Dust and Dirt on the Surface Increases Power Generation

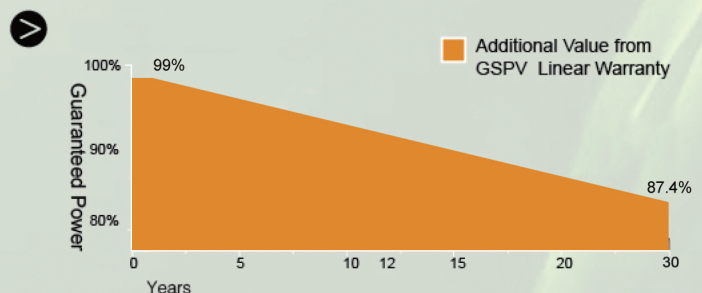
GSPV-M10/144H-605-630W 605-630 Watt

➤ 182mm 144 Cells PV Solar Module

BLACK *BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

➤

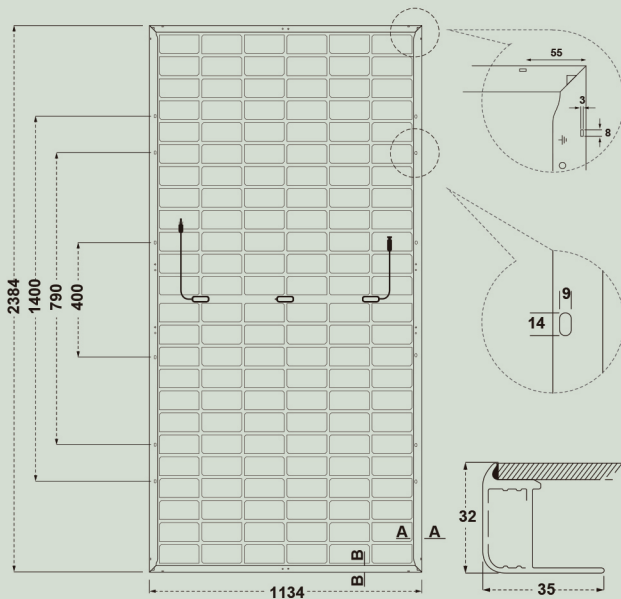
15 Years Product Workmanship Warranty	30 Years Power Warranty	0.40 % Annual Power Attenuation	
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IEC61215
IEC61730
UL61215
UL61730



Design



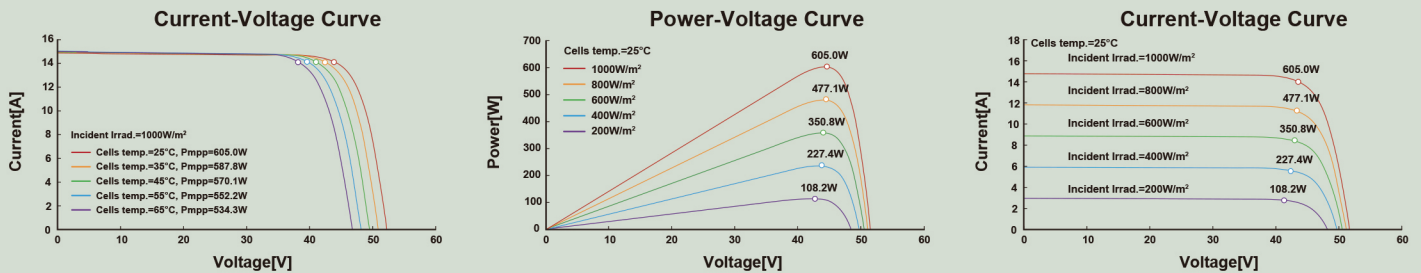
Mechanical Specification

Cable	4.0mm ² , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	30.6kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	2384×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

I-V Curve



STC—Electrical Characteristics

Module Type	GSPV-M10/144H-605-630W					
Maximum Power (Pmax/W)	605	610	615	620	625	630
Open-circuit Voltage (Voc/V)	52.2	52.4	52.6	52.8	53.0	53.2
Maximum Power Voltage (Vmp/V)	44.4	44.6	44.8	45.0	45.2	45.4
Short-circuit Current (Isc/A)	14.66	14.72	14.78	14.84	14.90	14.96
Maximum Power Current (Imp/A)	13.63	13.68	13.73	13.78	13.83	13.88
Module Efficiency (%)	22.38	22.56	22.75	22.93	23.12	23.30

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.046%/°C, Temperature Coefficient of Voc: -0.25%/°C, Temperature Coefficient of Pmax: -0.30%/°C
 Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT—Electrical Characteristics

Maximum Power (Pmax/W)	455	459	462	466	470	474
Open-circuit Voltage (Voc/V)	49.6	49.8	50.0	50.2	50.2	50.5
Maximum Power Voltage (Vmp/V)	42.2	42.4	42.6	42.8	42.9	43.1
Short-circuit Current (Isc/A)	11.84	11.88	11.93	11.98	12.03	12.08
Maximum Power Current (Imp/A)	10.79	10.83	10.87	10.91	10.95	10.98

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s