

KS-BM/144HG

BM Bifacial 605-630W



HIGHER
EFFICIENCY



LOWER TEMPERATURE
COEFFICIENT



LOW ATTENUATION,
LONG WARRANTY



SUPEREMINENT
VISUAL APPEAL

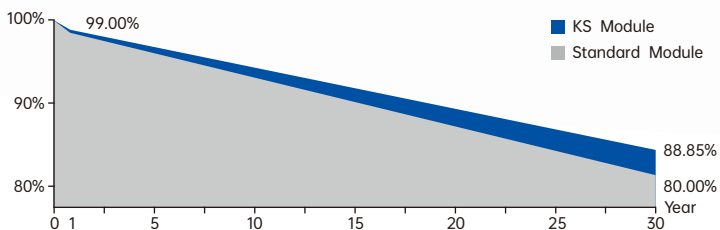
WARRANTY



Guarantee on product material
and workmanship



Linear power
output warranty



INSURANCE



中国平安
PINGAN

CERTIFICATION



- ISO 9001: 2015/quality management system
- ISO 14001: 2015/environment management system
- ISO 45001: 2018/occupation health safety management system

605-630W

KS-BM/144HG

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	605	610	615	620	625	630
Power Tolerance	W	0~+5					
Maximum Power Voltage (Vm)	V	43.97	44.07	44.17	44.27	44.37	44.47
Maximum Power Current (Im)	A	13.77	13.85	13.93	14.01	14.09	14.17
Open Circuit Voltage (Voc)	V	53.32	53.42	53.52	53.62	53.72	53.82
Short Circuit Current (Isc)	A	14.42	14.50	14.58	14.66	14.74	14.82
Module Efficiency (ηm)	%	22.4	22.6	22.8	23.0	23.1	23.3

STC:AM=1.5, irradiance=1000W/m², module temperature=25℃

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	460	464	468	472	476	480
Maximum Power Voltage (Vm)	V	41.75	41.85	41.95	42.05	42.15	42.25
Maximum Power Current (Im)	A	11.02	11.09	11.16	11.23	11.29	11.35
Open Circuit Voltage (Voc)	V	50.67	50.77	50.86	50.96	51.05	51.15
Short Circuit Current (Isc)	A	11.57	11.63	11.70	11.77	11.83	11.89

NMOT: irradiance=800W/m², environment temperature=20℃, wind speed=1m/s

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2382×1134×30mm
Weight	33.3kg
Number of Cells	144 (6x24)
Front Glass	2.0mm AR-coating heat-strengthened glass
Rear Glass	2.0mm heat-strengthened glass
Frame	Anodized aluminum alloy, silver color
Junction Box	IP68
Output Cables	4mm², ±1200mm or customized length
Connector	MC4 Compatible

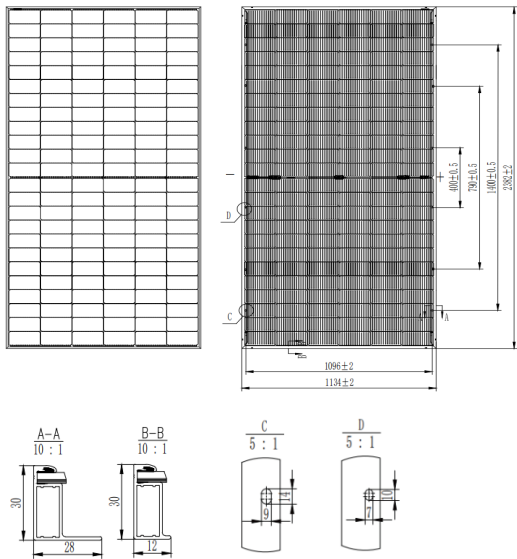
APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Operating Temperature	-40℃ ~ +85℃
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Bifaciality	70±5%
Safety Protection Level	Class II

TEMP CHARACTERISTICS

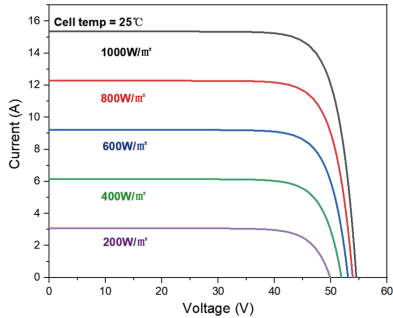
Nominal Module Operating Temperature	45±2℃
Temperature Coefficient of Pmax	-0.260%/℃
Temperature Coefficient of Voc	-0.200%/℃
Temperature Coefficient of ISC	+0.050%/℃

TECHNICAL DRAWING

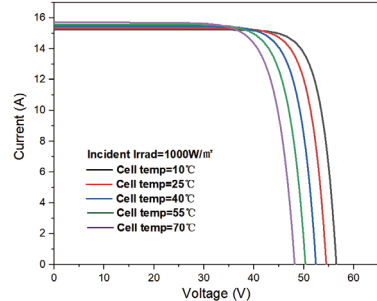


I-V CURVE

I-V characteristics at different irradiance (KS-BM/144HG630W)



I-V characteristics at different temperatures (KS-BM/144HG630W)



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	37 pcs
Packaging box Size	2414×1145×1260mm
Pieces per Container	740 pcs