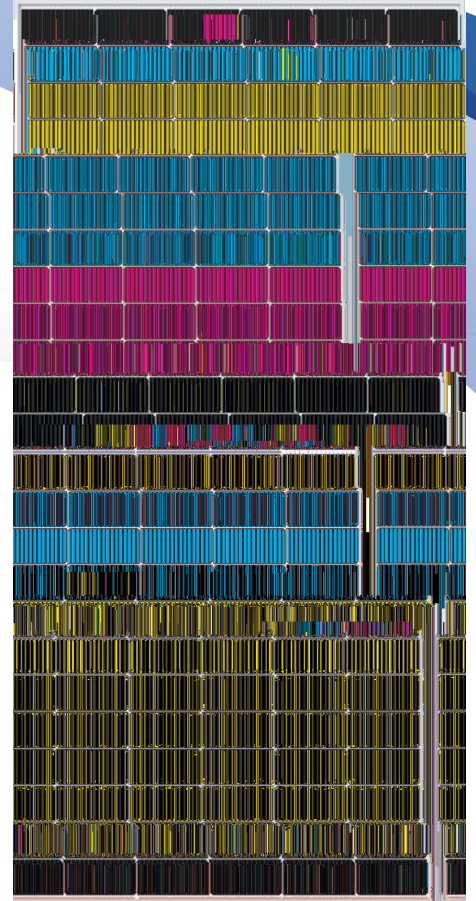


GK-1-72HPBD



SMBB Technology

Better light trapping and current collection to improve module power output and reliability



PID Resistance

Excellent performance guarantee via optimized mass-production process and materials control



Enhanced Mechanical Load

wind load (2400 Pascal)
snow load (5400 Pascal)



Quality Guarantee

High module quality ensures long-term reliability

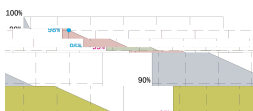


12-Year
Product Warranty

30-Year
Linear Power Warranty

2%
First Year Degradation

0.45%
Annual Power Degradation



At least 84.95% of nominal power up to 30 years

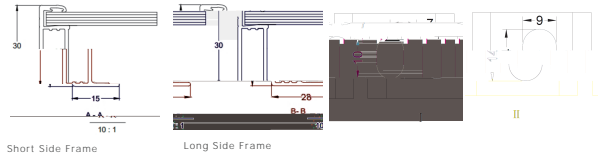
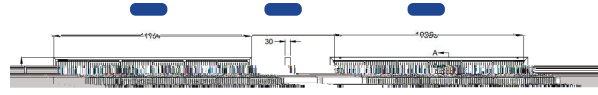


IEC 61215(2021) / IEC 61730(2023)

Mechanical Parameters

Cell Type	
No. of cells	144 (2×72)
Output Cables	TüV 1×4mm ² or customized length
Glass	
Frame	Anodized aluminum alloy frame
Weight	
Dimension	2278×1134×30mm
	37 pcs per pallet
	148 pcs per 20' HC, 740 pcs per 40' HC
Protection Class	Class II
	IEC Class C

Engineering Drawings



Electrical Characteristics (STC & NOCT & BNPI)

Testing Condition	GK-1-72HPBD-550M			GK-1-72HPBD-555M		
	STC	NOCT	BNPI	STC	NOCT	BNPI
	550	415	600	555	419	605
	50.11	47.45	50.16	50.30	47.62	50.34
Short-circuit Current (Isc/A)	14.01	11.30	15.32	14.07	11.35	15.38
	41.51	39.25	41.61	41.70	39.45	41.78
	13.25	10.57	14.42	13.31	10.62	14.48

Different Rearside Power Gain Reference to 550W

	5%	10%	20%
	577.5	605.0	660.0
Open-circuit Voltage (Voc/V)	50.1	50.1	50.1
Short-circuit Current (Isc/A)	15.0	15.4	16.8
	41.5	41.5	41.5
	13.9	14.6	15.9
	22.4	23.4	26.7

Working Parameters

Operating Temperature	
Power Sorting Tolerance	
	1500V(IEC)
	30A
Pmax and Voc and Isc Tolerance	±3%
Junction Box	IP68

Temperature Ratings (STC)

Mechanical Loading

	5400Pa
	2400Pa
Hailstone Test	25mm hailstone at 23m/s





Wuxi Xinhongye Wire&Cable Co., Ltd.

Ningbo Kibor Wire&Cable Co., Ltd.

Xinya Electronic Co., Ltd.

Suzhou Xtong Photovoltaic Technologies Co., Ltd.



T4-PPE-1;T4-PC-1, Changshu Tlian Co.,Ltd.

PV4-Syx&PV4-Slyx, Tyco Electronics Austria GmbH.

PV-KST4-EVO2/xy&PV-KBT4-EVO2/xy, Stäubli Electrical connectors AG

PV-KST4-EVO2A/xy&PV-KBT4-EVO2A/xy, Stäubli Electrical connectors AG

PV-XT101.1;PV-XT101.2;XT2, Suzhou Xtong Photovoltaic Technologies Co.,Ltd