210mm N-type TOPCon

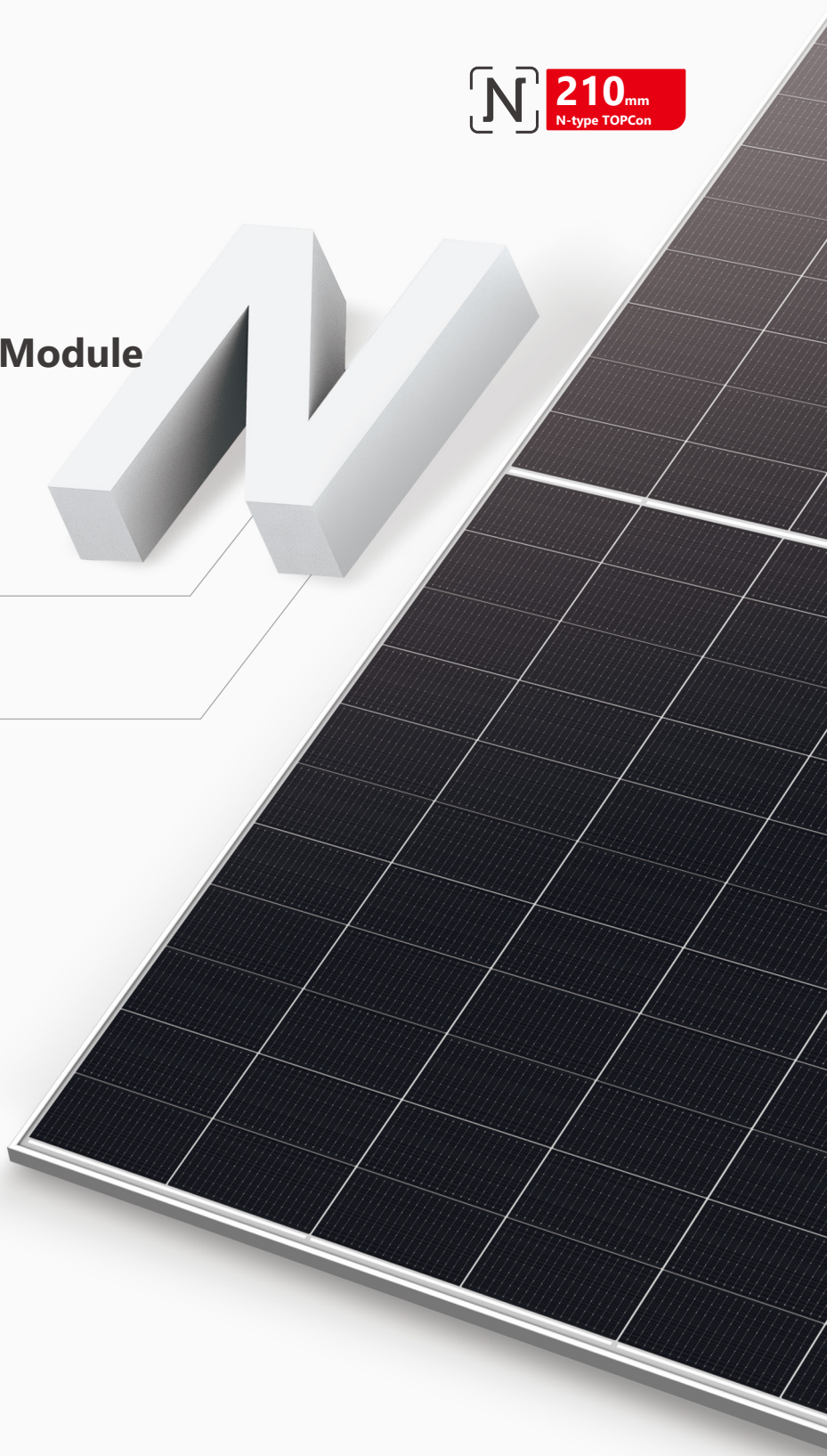
G12-66P

N-type Bifacial Dual-Glass Module

HSM-ND66-GK700~735

735W
Max. Output Power

23.7%
Max. Efficiency



High Customer Value

- Leading 210 mm wafers, module power up to 735W
- User-centric low-voltage design for PV systems

High Energy Yield

- Better high-temperature and bifacial performance
- Strong energy yield across applications

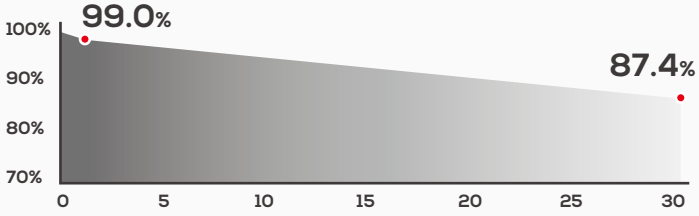
High Reliability

- Resistant to salt mist, sand, heat and humidity

Excellent Linear Power Warranty

15 Year Product Warranty

30 Year Linear Power Warranty*



* See warranty

Comprehensive Certification & Quality Management

IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

HSM-ND66-GK700~735 | TOPCon

735W Max. Output Power | **23.7%** Max. Efficiency | **0~+3%** Power Tolerance

Electrical Characteristics (STC* & BNPI*)

* STC: 1000 W/m², cell 25°C, AM1.5, Pmax tolerance ±3%
* BNPI: Front 1000 W/m², rear 135 W/m², 25°C, AM1.5, Pmax tolerance ±3%

Test Conditions	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Peak Power Pmax (W)	700	773	705	779	710	784	715	790	720	795	725	801	730	806	735	812
OC Voltage Voc (V)	48.26	48.41	48.48	48.64	48.70	48.85	48.92	49.08	49.14	49.29	49.36	49.52	49.58	49.73	49.80	49.96
SC Current Isc (A)	18.40	20.31	18.44	20.36	18.48	20.40	18.52	20.45	18.56	20.49	18.60	20.54	18.64	20.58	18.68	20.63
Op. Voltage Vmp (V)	40.31	40.31	40.50	40.51	40.69	40.69	40.89	40.92	41.08	41.09	41.27	41.29	41.46	41.47	41.65	41.70
Op. Current Imp (A)	17.37	19.18	17.41	19.23	17.45	19.27	17.49	19.31	17.53	19.35	17.57	19.40	17.61	19.44	17.65	19.48
Efficiency (%)	22.5		22.7		22.9		23.0		23.2		23.3		23.5		23.7	

Characteristics at Different Rear Power Gains*

* Rear-side extra gain vs. front power depends on installation (structure, height, tilt, etc.) and albedo

Power Gain	5%	10%	5%	5%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Peak Power Pmax (W)	735	770	740	776	746	781	751	787	756	792	761	798	767	803	772	809
OC Voltage Voc (V)	48.26	48.26	48.48	48.48	48.70	48.70	48.92	48.92	49.14	49.14	49.36	49.36	49.58	49.58	49.80	49.80
SC Current Isc (A)	19.32	20.24	19.36	20.28	19.40	20.33	19.45	20.37	19.49	20.42	19.53	20.46	19.57	20.50	19.61	20.55
Op. Voltage Vmp (V)	40.31	40.31	40.50	40.50	40.69	40.69	40.89	40.89	41.08	41.08	41.27	41.27	41.46	41.46	41.65	41.65
Op. Current Imp (A)	18.24	19.11	18.28	19.15	18.32	19.20	18.36	19.24	18.41	19.28	18.45	19.33	18.49	19.37	18.53	19.42

Temperature Coefficients

Nominal Temp.	NMOT	43±2°C
Temp. Coefficient	Isc	+0.045%/°C
Temp. Coefficient	Voc	-0.24%/°C
Temp. Coefficient	Pmax	-0.28%/°C

Operating Conditions

Operating Temperature	-40~+85°C
Max. System Voltage	1500V DC
Max. Series Fuse Rating	35A
Bifaciality	80±5%
Safety Class	Class II
Fire Rating (IEC)	Class A

Mechanical Characteristics

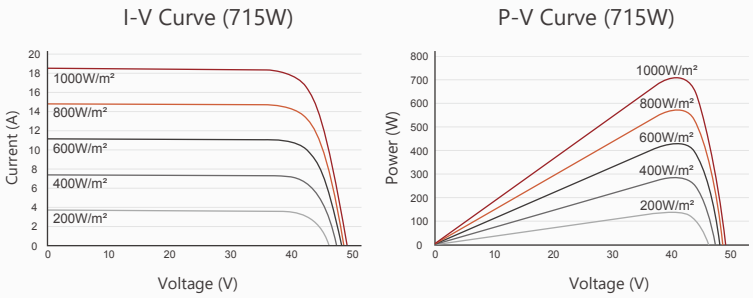
* See installation manual

Number of Cells	132pcs (6×22)
Dimensions	2384×1303×33 mm
Weight	38.2kg ±3%
Front Glass	2.0 mm HT semi-tempered glass
Rear Glass	2.0 mm semi-tempered glass
Frame	Anodized aluminum alloy
Junction Box / Diodes	IP68 / 3 diodes
Cables	4.0 mm², +400 mm / −200 mm (customizable)
Max. Static Load	Front 5400 Pa / Rear 2400 Pa*

Packing Information

Pieces per Pallet	33 pcs
40' HQ Container	594 pcs
13.5 m Flatbed	660 pcs
17.5 m Flatbed	759 pcs

Curves



Drawing

[Unit: mm]

