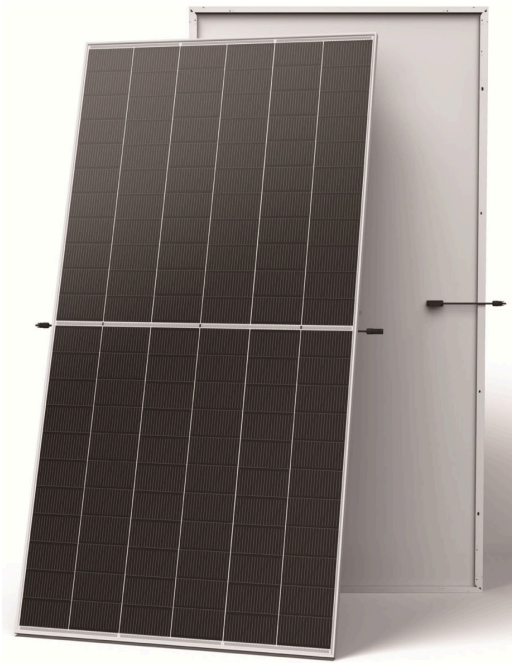
celesta ®



CL695M-HC ~ CL725HC

HALF-CELL N-Type TOPCon Monocrystalline PV Module

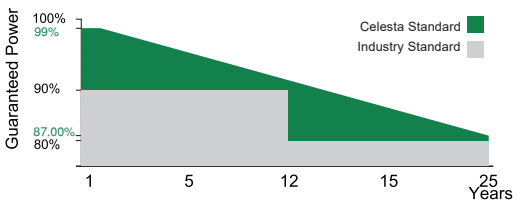
695-725W
POWER RANGE

23.30%
MAXIMUM EFFICIENCY

0.50%
YEARLY DEGRADATION

12 12 YEARS PRODUCT WARRANTY

25 25 YEARS OUTPUT GUARANTEE



SNI, TKDN
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO45001: Occupational Health and Safety Management System

KEY FEATURES

Excellent Cells Efficiency
SMBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.

Better Weak Illumination Response
More power output in weak light condition, such as haze, cloudy, and early morning.

Anti PID
Ensured PID resistance through the quality control of cell manufacturing process and raw materials.

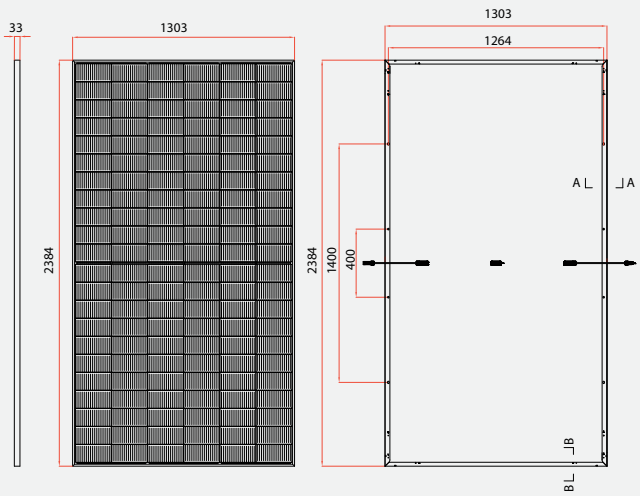
Adapt To Harsh Outdoor Environment
Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.

TIER 1
Global,Tier 1 bankable brand,with independently certified advanced automated manufacturing.

Excellent Quality Managerment System
Warranted reliability and stringent quality assurances well beyond certified requirements.

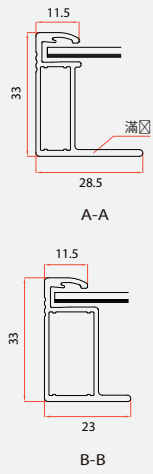
CL695-HC~CL700M-HC | HALF-CELL N-Type TOPCon Monocrystalline PV Module

DIMENSIONS OF PV MODULE(mm)

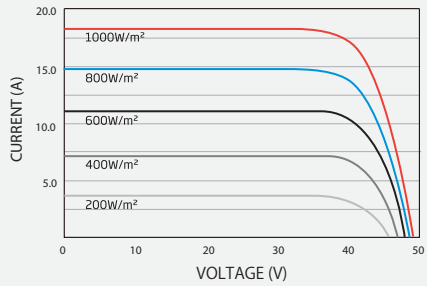


Front View

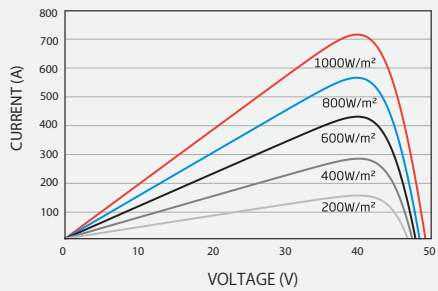
Back View



I-V CURVES OF PV MODULE(700W)



P-V CURVES OF PV MODULE(700W)



ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	695	700	705	710	715	720	725
Maximum Power Voltage Vmp(V)	40.3	40.5	40.7	40.9	41.1	41.3	41.5
Maximum Power Current Imp(A)	17.25	17.29	17.33	17.36	17.40	17.44	17.47
Open Circuit Voltage Voc(V)	48.3	48.6	48.8	49.0	49.2	49.4	49.5
Short Circuit Current Isc(A)	18.28	18.32	18.36	18.40	18.44	18.48	18.49
Module Efficiency (%)	22.4	22.5	22.7	22.9	23.0	23.2	23.3

*The data above is for reference only and the actual data is in accordance with the pratical testing
*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2℃, AM 1.5
*Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

MECHANICAL DATA

Solar cells	N-type Monocrystalline
Number of cell	132
Module dimension	2384×1303×33 mm
Weight	32.9kg
Glass	3.2mm, Anti-reflective coated tempered glass
Junction box	IP 68
Cables	4 mm² ,positive electrode 370mm/Negative electrode 230mm (Customized)
Connectors*	MC4-compatible

*Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT

Maximum Power Pmax(Wp)	531	534	540	543	547	551	554
Maximum Power Voltage Vmpp(V)	37.9	38.0	38.3	38.5	38.7	38.8	39.1
Maximum Power Current Impp(A)	14.00	14.04	14.08	14.12	14.14	14.18	14.19
Open Circuit Voltage Voc(V)	45.9	46.1	46.3	46.5	46.7	46.9	47.0
Short Circuit Current Isc(A)	14.72	14.76	14.80	14.83	14.86	14.89	14.90

*NMOT:Irradiance 800W/m²,Ambient Temperature 20℃,AM 1.5,Wind Speed 1m/s

TEMPERATURE RATINGS

NMOT	443℃ ±2℃
Temperature coefficient of Pmax	(-0.29±0.03)%/℃
Temperature coefficient of Voc	-0.24%/℃
Temperature coefficient of Isc	0.04%/℃

WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40℃~+70℃
Maximum series fuse	30 A

*Remark:Do not connect Fuse in Combiner Box with two or more strings in parallel connection
*Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.
*Caution:Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.