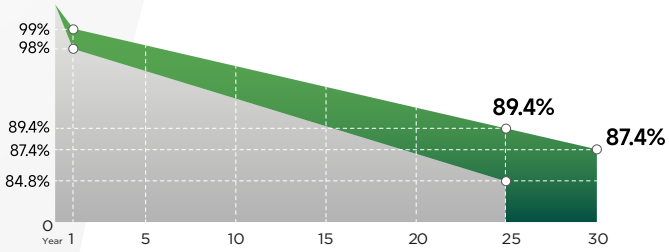
CROWN
SOLAR ENERGY

N-Type Bifacial

BIFACIAL MODULE WITH DUAL GLASS

RATED POWER 615W-640W

High-efficiency 23.69% bifacial N-Type solar module with 0~+3% tolerance, ideal for ground-mounted and distributed projects, featuring MBB half-cut cells low degradation, and robust 5400/2400 Pa load resistance.



- Suitable for Ground Power Plants and Distributed Projects
- Superior module efficiency
  Non-destructive cutting · MBB half-cut design
- Excellent IAM (Incident Angle Modifier) and low-irradiation performance Lower temperature coefficient 0.40%
  linear power decline (ensures stable long-term output)
- Strict material selection, Advanced manufacturing technology
  Industry-leading standards
- Enhanced load resistance
  5400 Pa (positive load), 2400 Pa (negative load)

HDG STEEL FRAME
HDG STEEL FRAME

24/7 AFTER SALES SERVICE

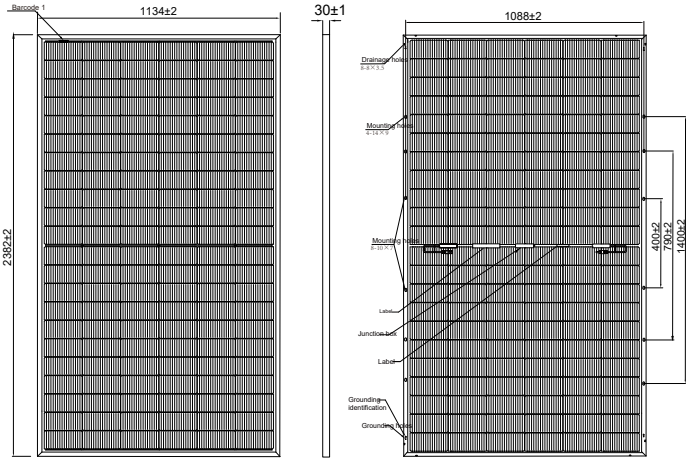
CROWN EASY REPLACEMENT WARRANTY

STRONG WARRANTY

LONG LASTING

Comprehensive Products & System Certificates

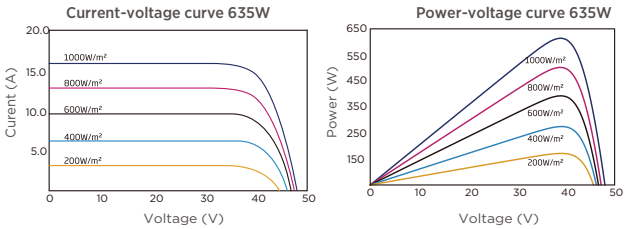
IEC 61215 / IEC 61730 / CE / INMETRO
ISO 45001
2018/international standards for occupational health & safety
ISO 14001
2015/Standards for environmental management system
ISO 9001
2015/Quality management system



Drawing Only for Reference

CSE-BF-615~640

BIFACIAL MODULE WITH DUAL GLASS



Electrical Characteristics STC	CSE-BF-615	CSE-BF-620	CSE-BF625	CSE-BF-630	CSE-BF-635	CSE-BF-640
Maximum Power (Pmax)	615W	620W	625W	630W	635W	640W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	22.77%	22.95%	23.14%	23.32%	23.51%	23.69%
Maximum Power Current (Imp)	15.15A	15.22A	15.29A	15.36A	15.43A	15.50A
Maximum Power Voltage (Vmp)	40.60V	40.74V	40.88V	41.02V	41.16V	41.29V
Short Circuit Current (Isc)	16.02A	16.08A	16.14A	16.20A	16.26A	16.32A
Open Circuit Voltage (Voc)	48.88V	49.08V	49.28V	49.48V	49.68V	49.88V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	CSE-BF-615	CSE-BF-620	CSE-BF-625	CSE-BF-630	CSE-BF-635	CSE-BF-640
Maximum Power (Pmax)	462W	466W	470W	473W	477W	481W
Maximum Power Current (Imp)	12.24A	12.29A	12.35A	12.41A	12.46A	12.53A
Maximum Power Voltage (Vmp)	37.76V	37.89V	38.02V	38.15V	38.28V	38.40V
Short Circuit Current (Isc)	12.99A	13.04A	13.09A	13.15A	13.20A	13.25A
Open Circuit Voltage (Voc)	45.95V	46.14V	46.32V	46.51V	46.70V	46.89V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, wind Speed 1m/s.

Electrical Characteristics With10% Rear Side Power Gain	CSE-BF-615	CSE-BF-620	CSE-BF-625	CSE-BF-630	CSE-BF-635	CSE-BF-640
Maximum Power (Pmax)	677W	682W	688W	693W	699W	704W
Maximum Power Current (Imp)	16.66A	16.74A	16.82A	16.89A	16.97A	17.05A
Maximum Power Voltage (Vmp)	40.60V	40.74V	40.88V	41.02V	41.16V	41.29V
Short Circuit Current (Isc)	17.62A	17.69A	17.75A	17.82A	17.89A	17.95A
Open Circuit Voltage (Voc)	48.88V	49.08V	49.28V	49.48V	49.68V	49.88V

Mechanical Characteristics

Cell Type	Mono N-Type,132(6×22) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Zinc-aluminum-magnesium Coated Steel Frame
Juction Box	IP68 Rated
Dimension	2382x1134x30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	34.1kg
Connector	MC4 Compatible

Characteristics

Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature (NOCT)	43±2°C
Fire Performance	IEC Class C

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.

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	740

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	30A

JAPAN PHOTOVOLTAIC ENERGY ASSOCIATION 太陽光発電協会

25 YEARS WARRANTY PRODUCT & TECHNOLOGY | 30 YEARS WARRANTY POWER OUTPUT LINEAR