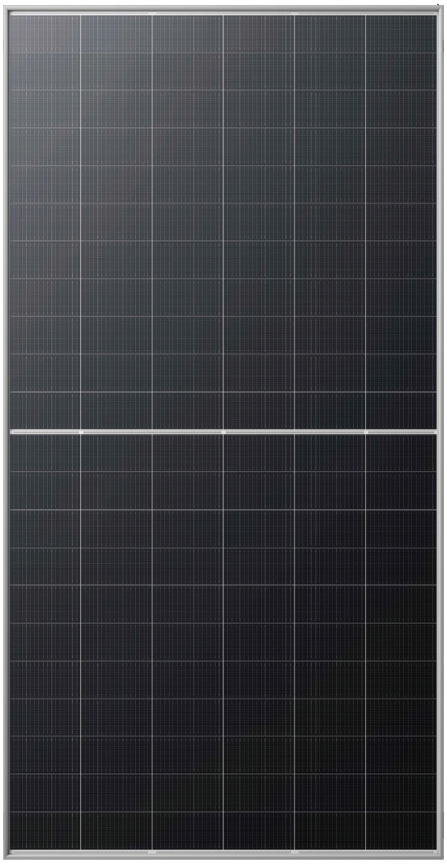
CS580W

N-Type Bifacial DoubleGlass PV Module

callsun

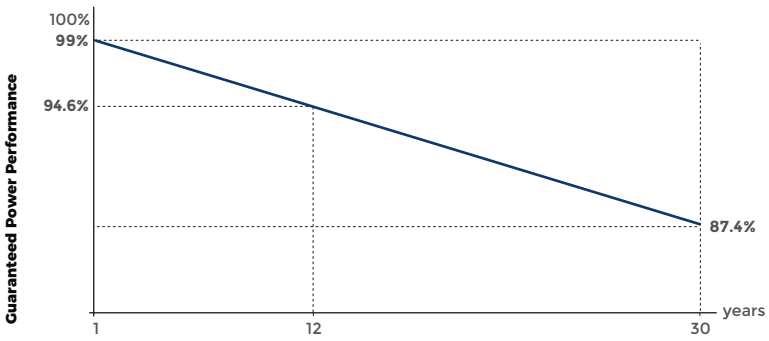


IEC 61215,IEC 61730
ISO 9001: 2023 Quality management systems
ISO 14001: 2023 Environmental management systems
ISO 45001: 2023 0ccupational health and safety management systems

- **N-type**
  Lower LID degradation and better low-light performance
- **Anti-PID**
  The decay rate is minimized
- **Double-sided power generation**
  Power generation gain on both sides increases with lightexposure on the back
- **Multi-mainbar technology**
  Effectively enhances product power output and reliability

SGS TÜV SAAR CE ETL C US

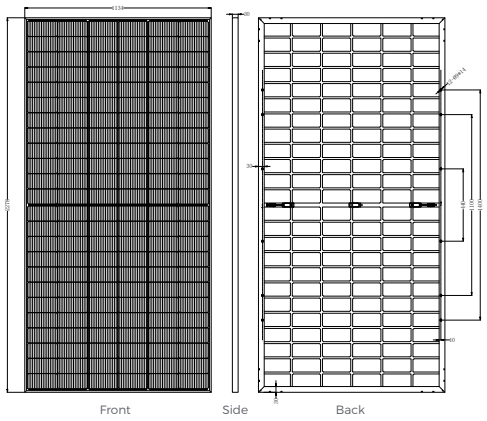
LINEAR PERFORMANCE WARRANTY



25 Year Product Warranty

30 Year Linear Power Warranty

Engineering Drawings



For detailed sizes and tolerance specification, please consult detailed module drawing

Length: ±2mm
Width: ±2mm
Height: ±1mm

Mechanical Characteristics

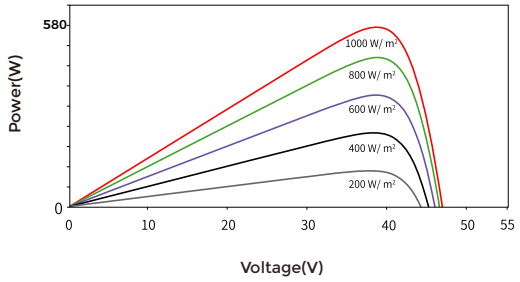
Cell Type	N-type Mono-crystalline silicon,182*91.875mm
No. of cells	144 pcs(6*12)*2
Dimensions	2278*1134*30 mm
Weight	31.42kg
Front Glass	2.0 mm AR Coating Heat Strengthened Glass
Back Glass	2.0 mm Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Length	300mm
Fire Performance	Class C

Packaging Configuration

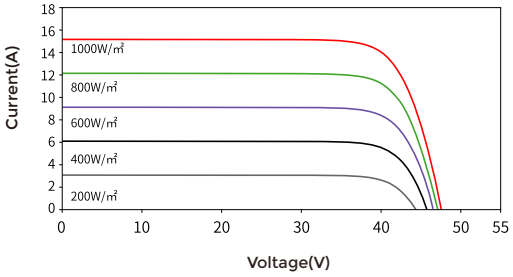
40'HQ
36pcs/pallets, 20pallets/cabinet, 720pcs/ cabinet

Eletrical Performance & Temperature Dependence

Power-Voltage Curve



Current-Voltage Curve



SPECIFICATIONS

Module Type	CS580-G1HD2612
	STC
Maximum Power (Pmax)	580W
Maximum Power Voltage (Vmp)	43.88V
Maximum Power Current (Imp)	13.22A
Open-circuit Voltage (Voc)	52.50V
Short-circuit Current (Isc)	13.95A
Module Efficiency STC (%)	22.45%
Operating Temperature(℃)	-40~+85
Maximum system voltage	1500V DC
Maximum series fuse rating	30A
Power tolerance	0~±5W
Temperature coefficients of Pmax	-0.35%/℃
Temperature coefficients of Voc	-0.275%/℃
Temperature coefficients of Isc	+0.045%/℃
Nominal operating cell temperature (NOCT)	42°C±2℃
First-Year Degradation	1%
Bifaciality Factor	80% ± 5%

*STC: Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

Specifications included in this datasheet are subject to change without notice.