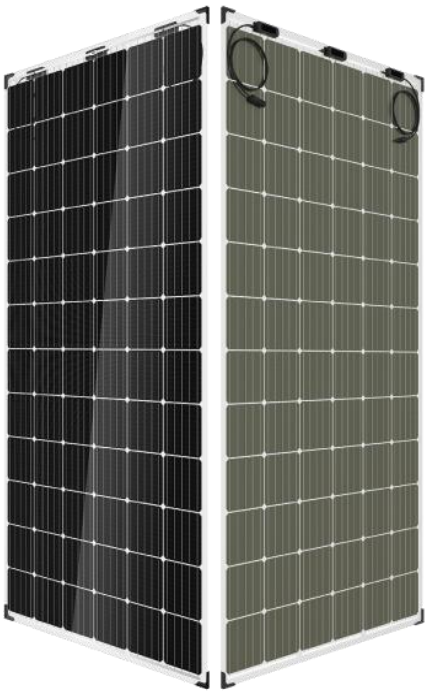
Mono Poly Solutions

COULEE SOLAR MODULE



72 BIFACIAL
MONOCRYSTALLINE PERC CELL

370-390W
POWER OUTPUT RANGE

19.6%
MAXIMUM EFFICIENCY

0 - +3%
POSITIVE POWER TOLERANCE

DUAL GLASS

Design of the Dual Glass
The purpose of Dual Glass was to design a new concept of PV module featuring a significantly improved reliability compared to the conventional design without losing the advantages of traditional modules.

Coulee Limited, electrical specialists and creators of energy saving designs for domestic and commercial applications.
Coulee solar panel manufacturing processes utilize the best quality materials available and industry-leading equipment from around the world. We stand behind our promise of quality workmanship in all of our solar products.

Management System

ISO9001: Quality Management System
ISO14001: Environmental Management System
OHSAS 18001: Occupation Health and Safety Management System

Ideal For Large Scale Installations

- High power footprint reduces installation time and BOS costs
- Up to 1500VDC system voltage

Maximum Limited Space

- Up to 196W/m² power density

Highly Reliable Due to Stringent Quality Control

- Over 30 in-house tests (UV, TC, HF, etc.)
- In-house testing goes well beyond certification requirements
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection

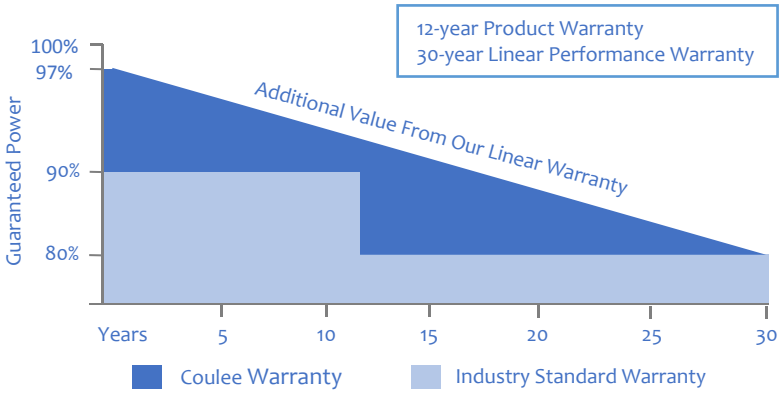
Increased Value

- Higher maximum system voltage reduces BOS costs
- 0.5% annual degradation
- More energy production at higher temperatures

Durability Against Extreme Environmental Conditions

- Module coating resistant to sand, acid, and alkali

Linear Performance Warranty



Coulee Limited
https://couleenergy.com

Construction Materials

Front Glass	2.5mm, High Transmission, AR Coated Heat Strengthened Glass
Back Glass	Heat Strengthened Glass
Frame	Frameless
Junction Box	IP67 Rated (Black)
Output Cables	4mm², Portrait: 300(+)/400mm(-), Landscape: 1200(+)/1200(-)mm
Connector	UTX/MC4-EVO2
EVA	Clear/White
Fire Type	Type 1 or Type 2

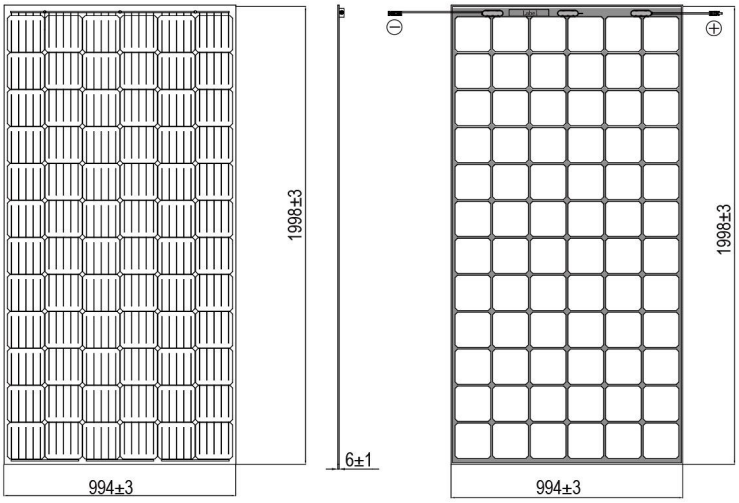
Mechanical Data

Solar Cells	Mono
Number of Cells	72Cells (6 × 12)
Module Dimensions	1998mm × 994mm × 6mm
Weight	28.5kg

Temperature Coefficient

Power Tolerance	0 ~ +3%
Temperature Coefficient of Pmax	-0.370%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Isc	-0.060 %/℃
NOTC	(45 ± 2) ℃

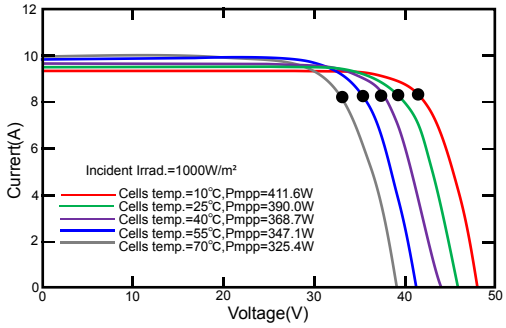
Mechanical Diagrams

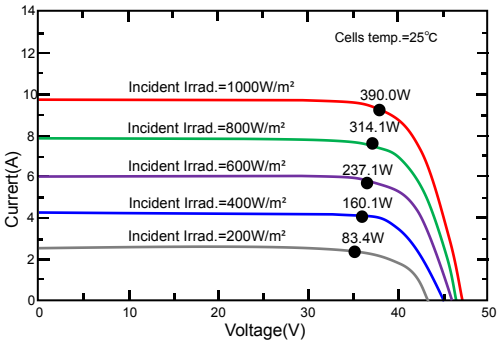


Operating Conditions

Max. System Voltage	1500VDC (IEC)
Max. System Fuse Rating	15A
Operating Temperature	-40 ~ +85℃
Max. Static Load, Front (Snow)	5400Pa
Max. Static Load, Back (Wind)	2400Pa

IV Curves





Electrical Parameters at STC

Module type	CLM-390MD-72 Series				
Rated Maximum Power (Pmax/W)	370	375	380	385	390
Maximum Power Voltage (Vmp/V)	39.41	39.73	40.02	40.33	40.63
Open-circuit Voltage (Voc/V)	48.20	48.51	48.81	49.11	49.42
Maximum Power Current (Imp/A)	9.39	9.44	9.50	9.55	9.60
Short-circuit Current (Isc/A)	9.91	9.97	10.03	10.09	10.14
Module Efficiency m (%)	18.6	18.9	19.1	19.4	19.6

STC: Irradiance 1000W/m, Cell Temperature 25°C, AM = 1.5

Packaging Configuration

Pieces Per Pallet: 28 | Pallets Per 40HQ: 22 | Pieces Per 40HQ: 616

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