METEOR III

QUARTER-CUT CELL TECHNOLOGY

Wood Mackenzie Grade A | TIER1 BloombergNEF | SMM TIER1

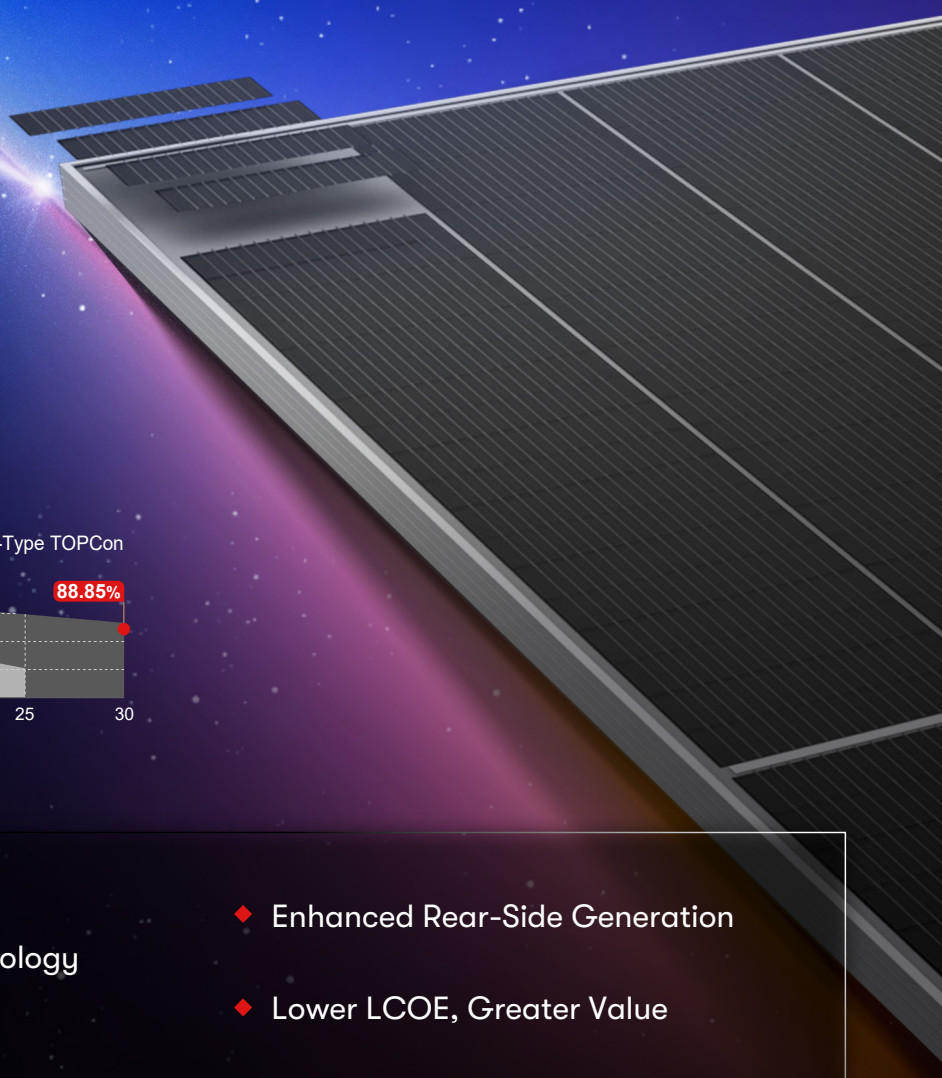
Deutsche Qualität Garantiert

650W-670W

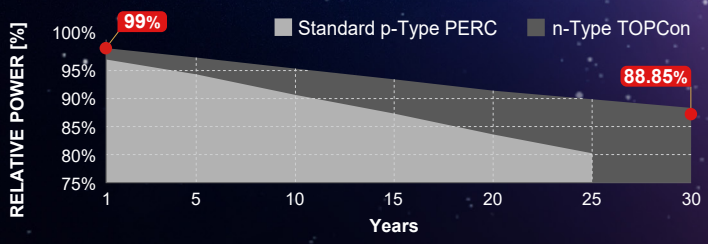
CMEQ-66BDS BIFACIAL DOUBLE-GLASS

24.80%
MAXIMUM EFFICIENCY

66x4
QUARTER-CUT



OUR PERFORMANCE WARRANTY



- Advanced N-TOPCon: Evolved TOPCon Cell Technology
- Better Performance Under Low-light Conditions
- Enhanced Rear-Side Generation
- Lower LCOE, Greater Value
- Higher CTM Performance

SYSTEM AND PRODUCT CERTIFICATIONS

ISO 9001:2015 | ISO 45001:2018 | ISO14001 | TÜVRheinland CERTIFIED

IEC 61215 IEC 61730
Regular Production Surveillance
www.tuv.com

30 YEARS Performance Warranty

15 YEARS Product Warranty

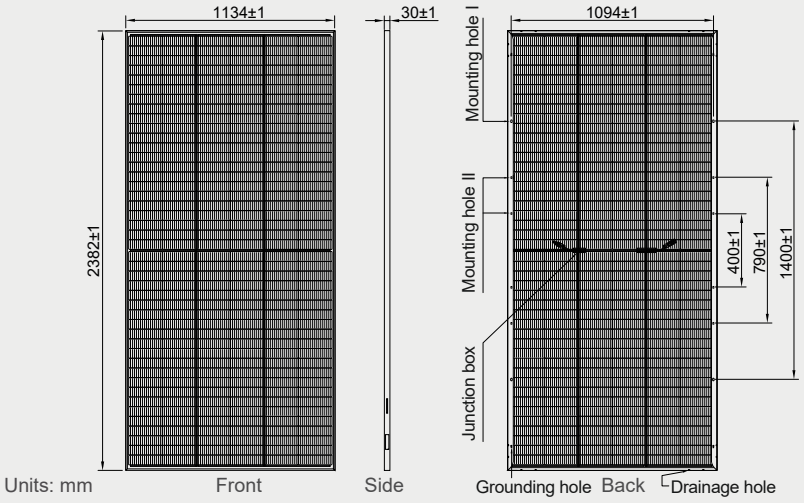
AESOLAR Since 2003

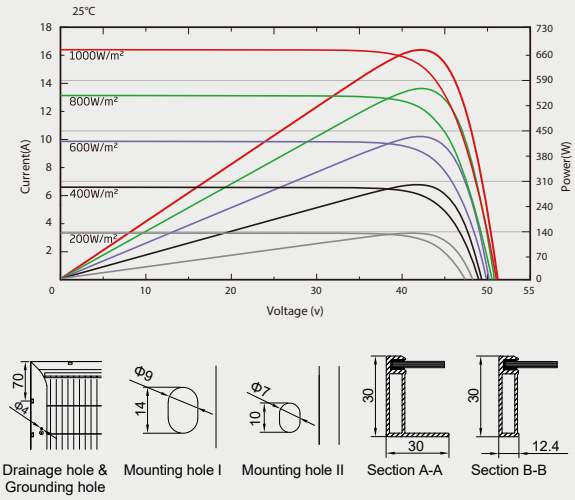
Ver. 26.11.1

AE CMEQ-66BDS 650W-670W

QUARTER-CUT CELL TECHNOLOGY

BIFACIAL • DOUBLE-GLASS





Electrical specifications (STC*):

Nominal max. power	P_{max} (Wp)	650	655	660	665	670
Maximum operating voltage	V_{MPP} (V)	42.60	42.73	42.86	42.99	43.12
Maximum operating current	I_{MPP} (A)	15.26	15.33	15.40	15.47	15.54
Open-circuit voltage	V_{oc} (V)	50.28	50.46	50.64	50.82	51.00
Short-circuit current	I_{sc} (A)	15.98	16.04	16.10	16.15	16.21
Module efficiency	η (%)	24.06	24.25	24.43	24.62	24.80
Power tolerance	(W)			0~+5		
Maximum system voltage	(V)			1500		
Maximum series fuse rating	(A)			30		

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance Pmax: ±3%

Electrical specifications (NMOT*):

Nominal max. power	P_{max} (Wp)	494	498	502	506	510
Maximum operating voltage	V_{MPP} (V)	40.04	40.16	40.29	40.42	40.54
Maximum operating current	I_{MPP} (A)	12.34	12.40	12.46	12.52	12.58
Open-circuit voltage	V_{oc} (V)	47.77	47.94	48.11	48.28	48.45
Short-circuit current	I_{sc} (A)	13.05	13.11	13.17	13.21	13.27

*NMOT: Normal Module Operating Temperature (irradiance 800 W/m², ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

Electrical specifications (BNPI*):

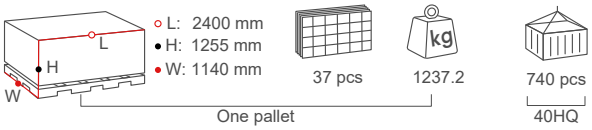
Nominal max. power	P_{max} (Wp)	724	729	735	740	746
Maximum operating voltage	V_{MPP} (V)	42.69	42.83	42.96	43.10	43.22
Maximum operating current	I_{MPP} (A)	16.96	17.02	17.11	17.17	17.26
Open-circuit voltage	V_{oc} (V)	50.38	50.56	50.74	50.92	51.10
Short-circuit current	I_{sc} (A)	17.81	17.88	17.94	18.01	18.08

*BNPI: Front Irradiance 1000W/m 2 , Rear Irradiance 135W/m 2 , Cell Temperature 25°C, AM=1.5

Mechanical and design specification

Cell type	n-Type TOPCon technology, quarter-cut cells
No. of cells	66 × 4
Bifaciality	85 ± 5%
Front cover	2.0mm solar glass with AR coating, semi-tempered
Encapsulation	POE
Back cover	2.0mm solar glass, semi-tempered
Junction box	IP68 rated
Frame	30 mm anodized aluminium alloy
Cable (Including Connector)	4 mm², N 1400mm/P 1400mm for landscape installation 4 mm², N 500mm/P 500mm for portrait installation
Connectors	MC 4 compatible
Dimension	2382 mm × 1134 mm × 30 mm
Weight	32.2 kg
Wind load	2400 Pa or 244 kg/m²
Snow load	5400 Pa or 550 kg/m²

Packaging information



Temperature ratings

Operating temperature	-40 to +70°C
Temp. coefficient of P_{max}	-0.26 %/°C
Temp. coefficient of V_{oc}	-0.24 %/°C
Temp. coefficient of I_{sc}	0.046 %/°C
Nom. operating cell temp. NOCT	41 ± 3°C

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

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