

ORM72D35TP 570~590W

ALL BLACK
N-Type TOPCon Bifacial

- Higher module power reduce the overall BOS of the PV system
- Better Anti-PID performance
- Higher power output at low light conditions
- At least 30 years life cycle

COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

IEC 61215 / IEC 61730 / CE / JPEA / FIDE / INMETRO

ISO 45001:

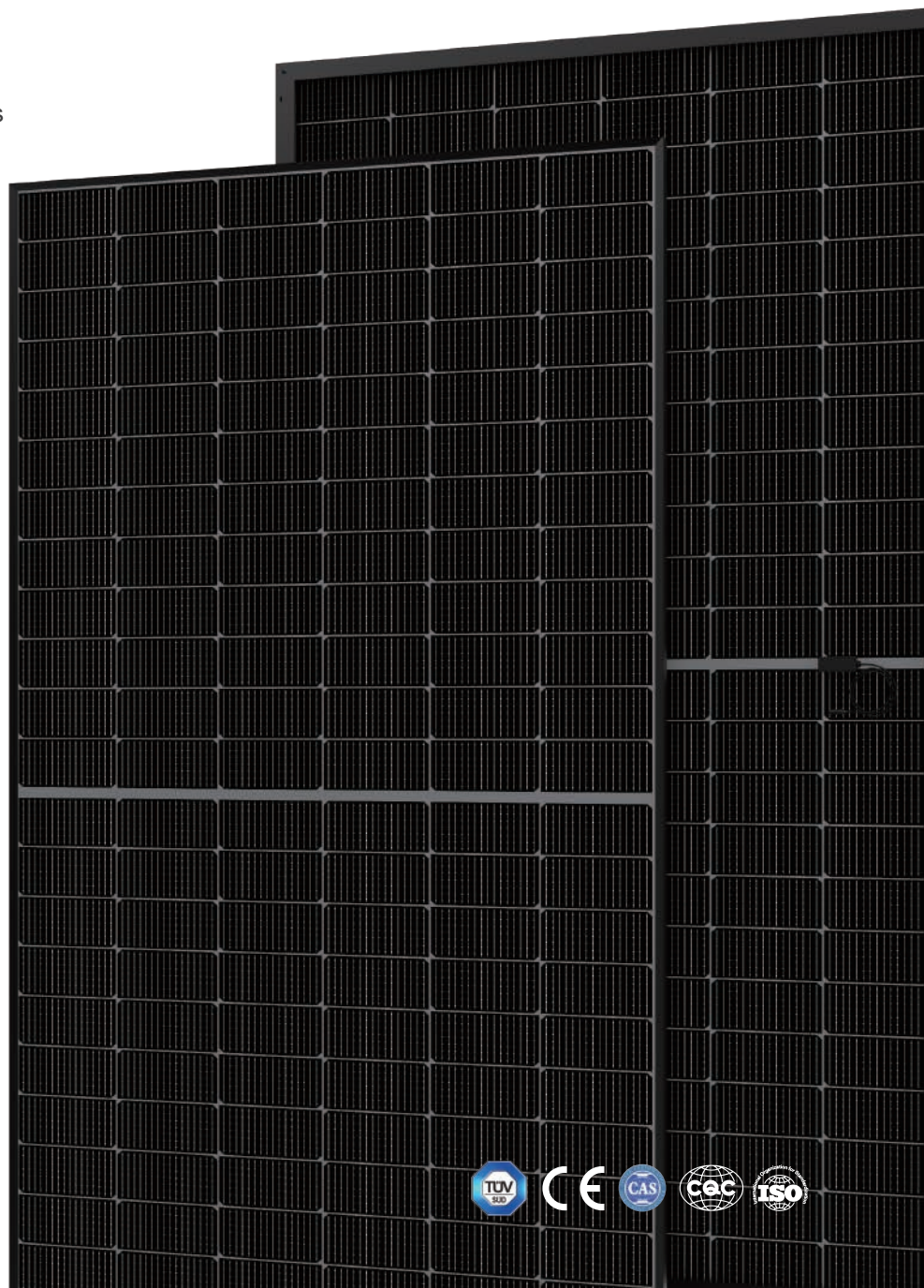
2018/International standards for occupational health & safety

ISO 14001:

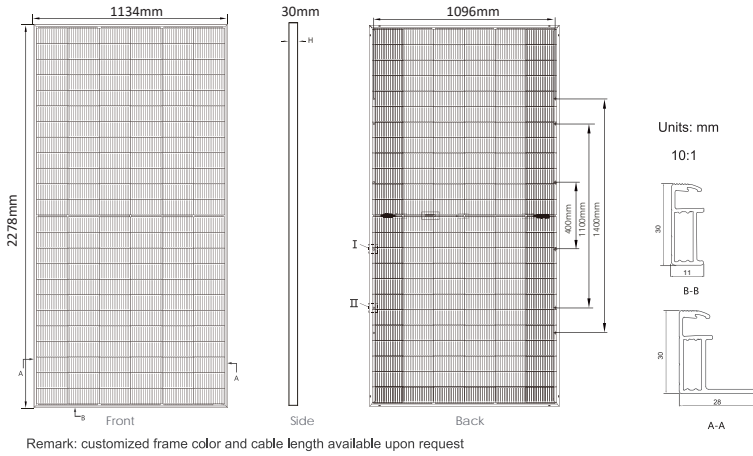
2015/Standards for environmental management system

ISO 9001:

2015/Quality management system



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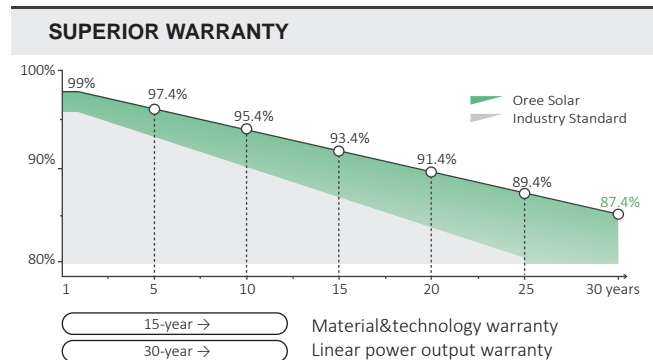


MECHANICAL PARAMETERS	
Cell type	N-Type TOPCon
Weight	32.3kg
Module dimension	2278*1134*30mm
Number of cells	144 (6*24)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 720pcs/40'HQ Container

ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m ² 25 °C				NOCT: AM1.5 800W/m ² 20 °C 1m/s					
	ORM72D35-570/TP		ORM72D35-575/TP		ORM72D35-580/TP		ORM72D35-585/TP		ORM72D35-590/TP	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	570	424	575	428	580	432	585	436	590	439
Voltage at maximum power point (VMP/V)	43.10	40.35	43.38	40.61	43.52	40.74	43.81	41.01	44.05	41.24
Current at maximum power point (IMP/A)	13.22	10.52	13.25	10.54	13.33	10.61	13.36	10.63	13.38	10.65
Open circuit voltage (VOC/V)	50.47	47.64	50.90	48.05	51.19	48.32	51.21	48.34	51.24	48.37
Short circuit current (ISC/A)	14.01	11.32	14.03	11.34	14.06	11.36	14.14	11.42	14.26	11.52
Component efficiency (%)	22.07%		22.26%		22.45%		22.65%		22.84%	
Power tolerance	0~+5W									
Temperature Coefficient of Isc(α _{Isc})	+0.04%/°C									
Temperature Coefficient of Voc(β _{Voc})	-0.28%/°C									
Temperature Coefficient of Pmax(γ _{Pmp})	-0.30%/°C									

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)					
Peak Power (Pmax) (W)	631	637	643	649	653
Open Circuit Voltage (Voc) (V)	50.47	50.90	51.19	51.21	51.24
Short Circuit Current (Isc) (A)	15.52	15.55	15.58	15.67	15.80
Maximum power voltage — Vmp (V)	43.10	43.38	43.52	43.81	44.05
Maximum power current — Imp (A)	14.65	14.68	14.77	14.80	14.83

WORKING PARAMETERS	
Maximum system voltage	1500V (TUV)
Operating temperature	-40 °C~+85 °C
Maximum series fuse rating	30A
Maximum static load, front side	5400pa
Maximum static load, back side	2400pa
Nominal battery operating temperature	44±2 °C
Application level	Class A



CHARACTERISTIC

