

ORM60D35TP 470~485W

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:

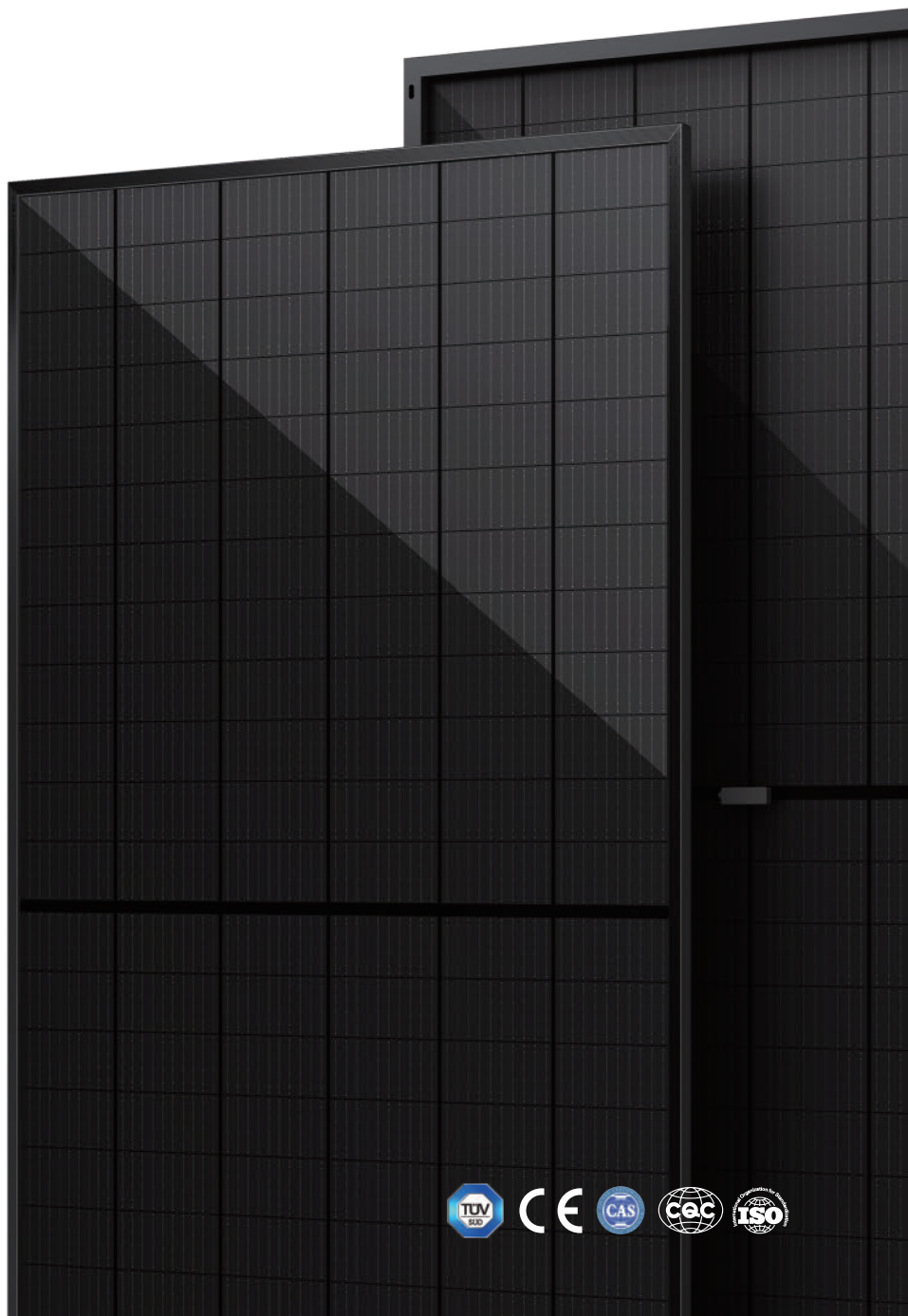
2018/International standards for occupational health & safety

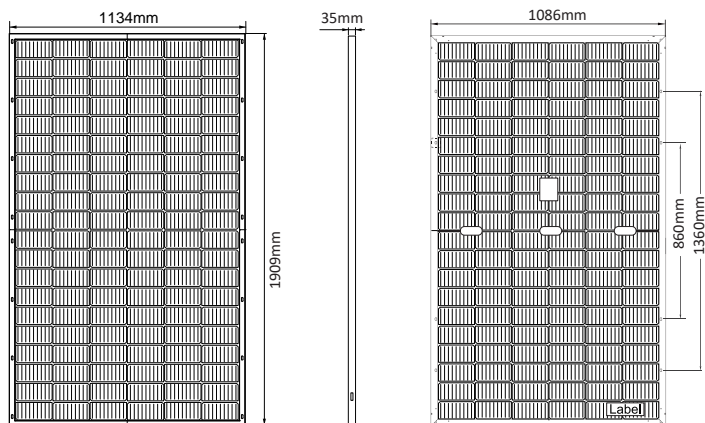
ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system



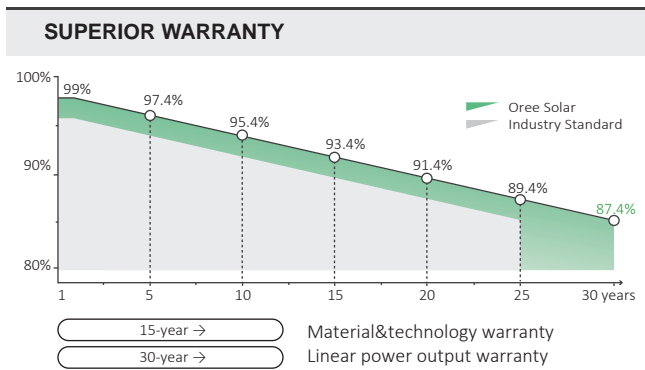


MECHANICAL PARAMETERS	
Cell type	N-Type TOPCon
Weight	24kg
Module dimension	1909*1134*35mm
Number of cells	120 (6*20)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 744pcs/40'HQ Container

ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m ² 25°C				NOCT: AM1.5 800W/m ² 20°C 1m/s			
	ORM60D35-470/TP		ORM60D35-475/TP		ORM60D35-480/TP		ORM60D35-485/TP	
Model	ORM60D35-470/TP		ORM60D35-475/TP		ORM60D35-480/TP		ORM60D35-485/TP	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	470	353	475	357	480	361	485	365
Voltage at maximum power point (VMP/V)	35.05	32.94	35.21	33.10	35.38	33.27	35.54	33.44
Current at maximum power point (IMP/A)	13.41	10.73	13.49	10.79	13.57	10.85	13.65	10.91
Open circuit voltage (VOC/V)	42.38	40.25	42.54	40.41	42.71	40.57	42.88	40.73
Short circuit current (ISC/A)	14.15	11.42	14.23	11.49	14.31	11.55	14.39	11.61
Component efficiency (%)	21.71%		21.94%		22.17%		22.40%	
Power tolerance	0~+3%							
Temperature Coefficient of Isc(α_Isc)	+0.05%/°C							
Temperature Coefficient of Voc(β_Voc)	-0.275%/°C							
Temperature Coefficient of Pmax(γ_Pmp)	-0.35%/°C							

BIFACIAL OUTPUT-REAR SIDE POWER GAIN					
5%	Maximum Power (Pmax)	494Wp	499Wp	504Wp	509Wp
	Module Efficiency STC (%)	25.27%	25.54%	25.81%	26.08%
15%	Maximum Power (Pmax)	541Wp	546Wp	552Wp	558Wp
	Module Efficiency STC (%)	27.68%	27.97%	28.27%	28.56%

WORKING PARAMETERS	
Maximum system voltage	1500V (TUV)
Operating temperature	-40°C~+85°C
Maximum series fuse rating	25A
Maximum static load, front side	5400pa
Maximum static load, back side	2400pa
Nominal battery operating temperature	44±2°C
Application level	ClassA



CHARACTERISTIC

