



TO MAKE A BETTER LIFE

ORM66D35MR 490~510W

ALL BLACK PERC Bifacial

- Adopting multi-main shed (MBB) half-sheet technology
- Anti-PID performance
- Excellent low light power generation performance
- Load 2400 Pa at the back 5400 Pa at the front

COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

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

ISO 45001:

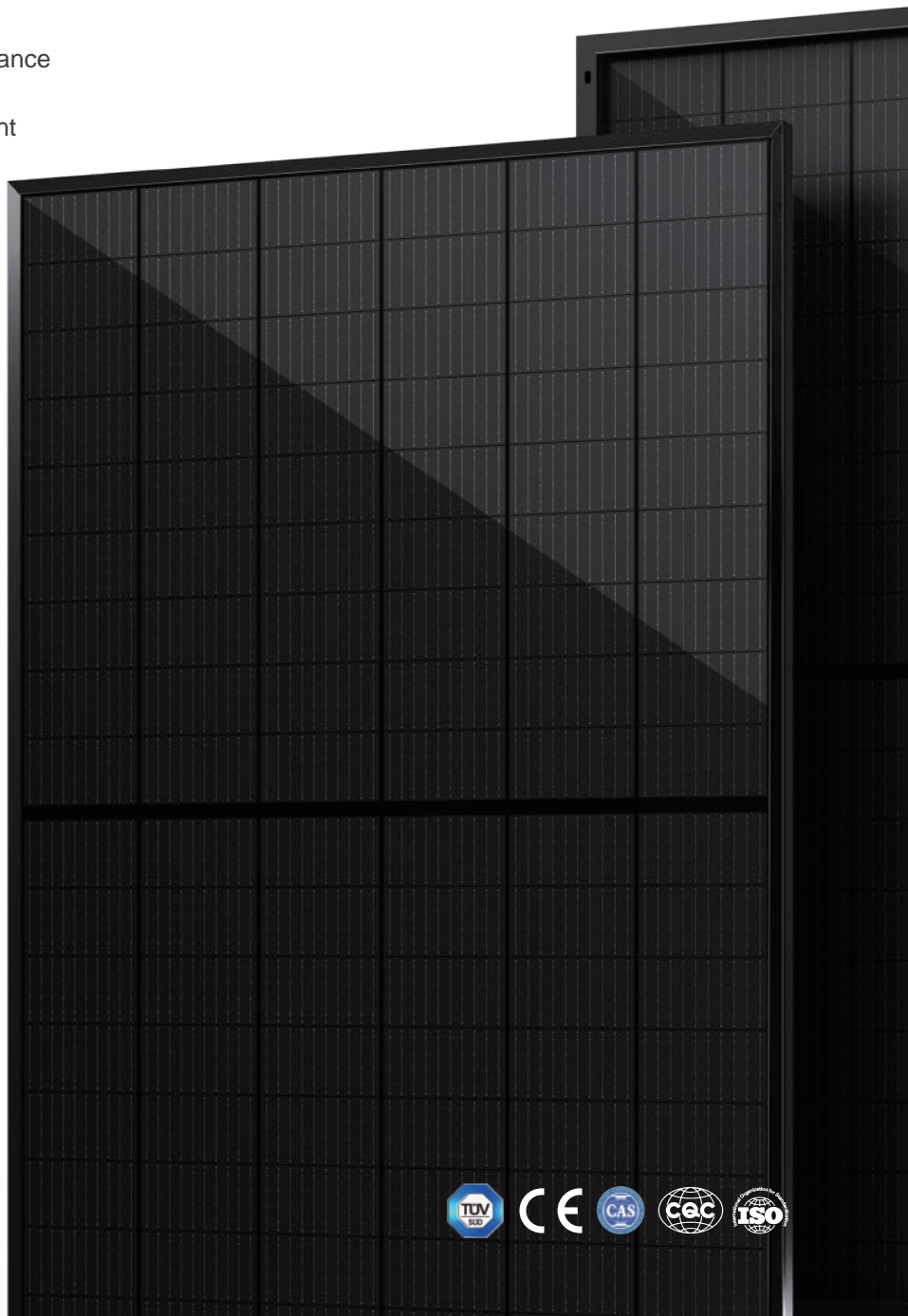
2018/International standards for occupational health & safety

ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system

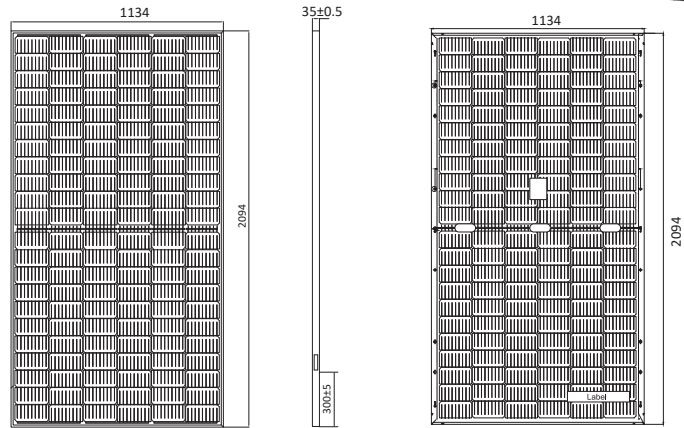


ORM66D35MR490~510W



MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	30kg
Module dimension	2094*1134*35mm
Number of cells	132 (6*22)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 682pcs/40'HQ Container



ELECTRICAL PERFORMANCE

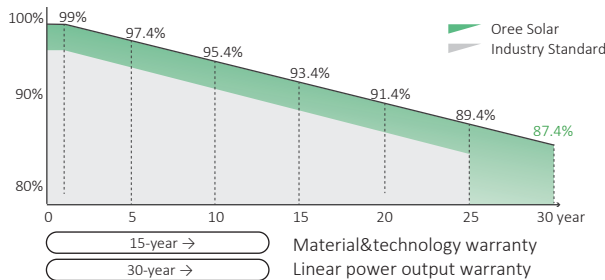
STC: AM1.5 1000W/m² 25 °C NOCT: AM1.5 800W/m² 20 °C 1m/s

Model	ORM66D35-490/MR		ORM66D35-495/MR		ORM66D35-500/MR		ORM66D35-505/MR		ORM66D35-510/MR	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	490	369	495	373	500	377	505	381	510	384
Voltage at maximum power point (VMP/V)	40.12	34.98	40.26	35.16	40.40	35.34	40.54	35.51	40.68	35.69
Current at maximum power point (IMP/A)	12.21	10.55	12.29	10.61	12.37	10.67	12.45	10.73	12.53	10.76
Open circuit voltage (VOC/V)	48.44	42.45	48.56	42.56	48.68	42.73	48.80	42.87	48.92	43.23
Short circuit current (ISC/A)	13.07	11.13	13.14	11.19	13.21	11.24	13.28	11.30	13.35	11.36
Component efficiency (%)	20.64%		20.85%		21.06%		21.27%		21.48%	
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})	-0.350%/ °C									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

Gain	Parameter	ORM66D35-490/MR	ORM66D35-495/MR	ORM66D35-500/MR	ORM66D35-505/MR	ORM66D35-510/MR
5%	Maximum Power (Pmax)	515Wp	520Wp	525Wp	530Wp	536Wp
	Module Efficiency STC (%)	21.69%	21.90%	22.11%	22.32%	22.60%
15%	Maximum Power (Pmax)	564Wp	569Wp	575Wp	581Wp	587Wp
	Module Efficiency STC (%)	23.75%	23.96%	24.21%	24.47%	24.70%

SUPERIOR WARRANTY



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	Class A

CHARACTERISTICS

