



TO MAKE A BETTER LIFE

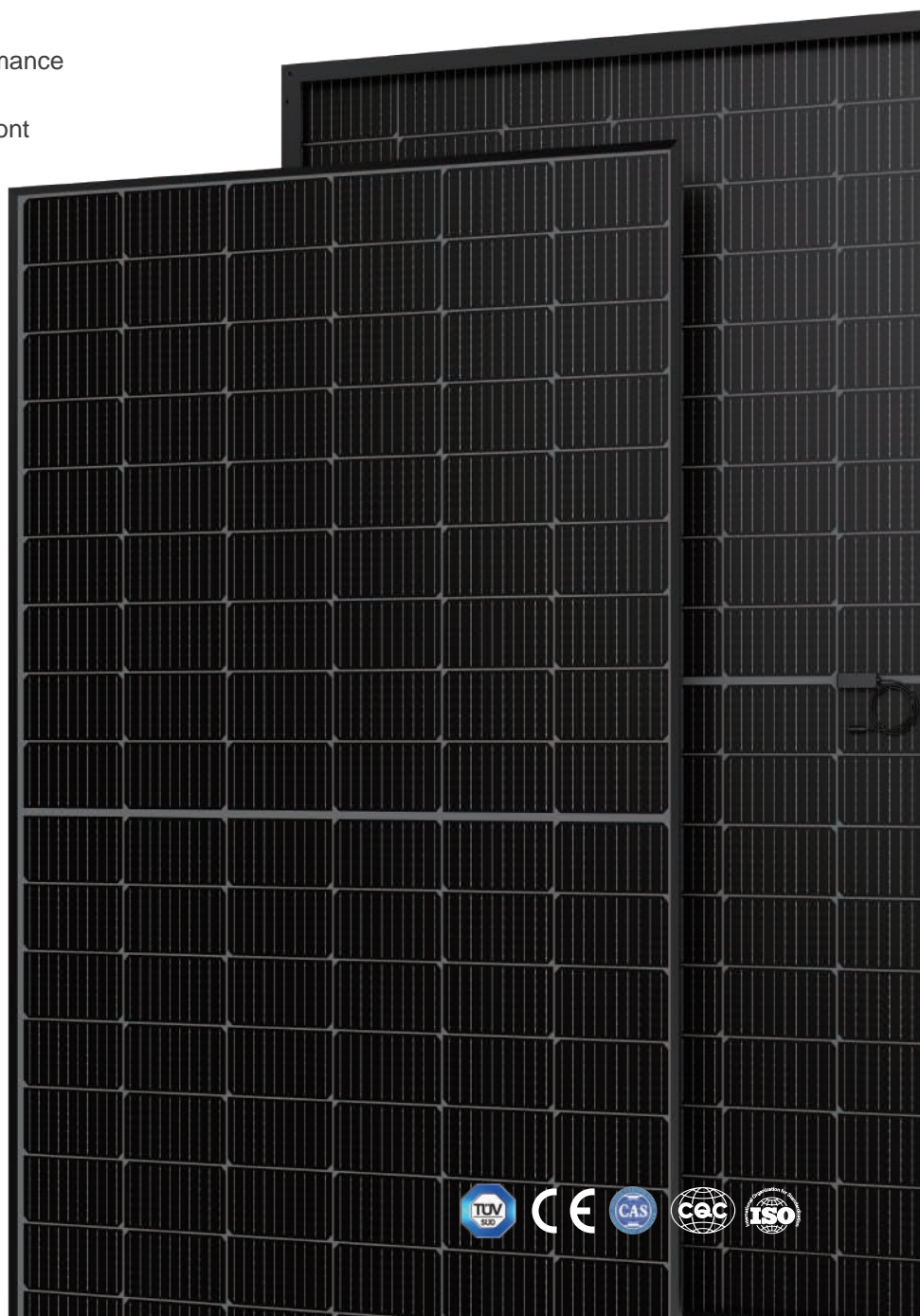
ORM54D35MR 405~420W

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

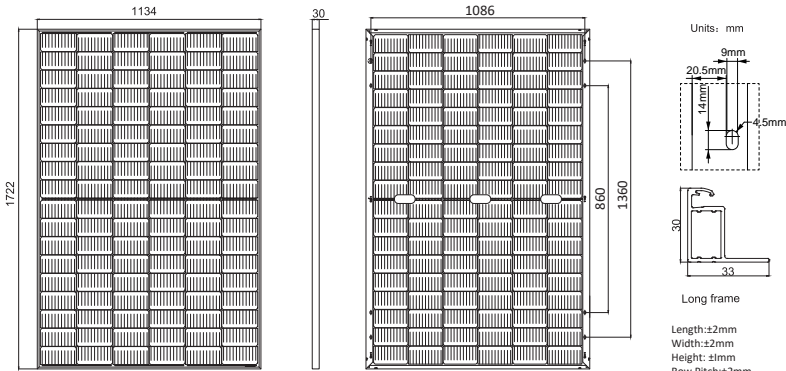
IEC 61215 / IEC 61730 / CE / JPEA / FIDE / INMETRO
ISO 45001:
2018/International standards for occupational health & safety
ISO 14001:
2015/Standards for environmental management system
ISO 9001:
2015/Quality management system



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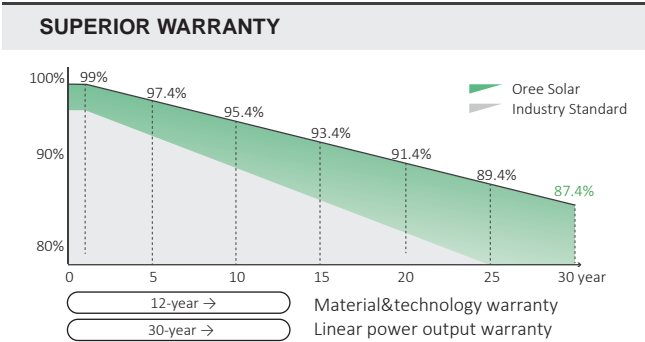
MECHANICAL PARAMETERS	
Cell type	Monocrystalline
Weight	25.3kg
Module dimension	1722*1134*30mm
Number of cells	108 (6*18)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 936pcs/40'HQ Container



Remark: customized frame color and cable length available upon request

ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m² 25℃		NOCT: AM1.5 800W/m² 20℃ 1m/s					
Model	ORM54D35-405/MR		ORM54D35-410/MR		ORM54D35-415/MR		ORM54D35-420/MR	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	405	307	410	310	415	313	420	316
Voltage at maximum power point (VMP/V)	31.21	29.21	31.52	29.38	31.83	29.53	32.14	29.67
Current at maximum power point (IMP/A)	12.95	10.51	12.98	10.55	13.01	10.60	13.04	10.65
Open circuit voltage (VOC/V)	37.36	34.81	37.57	35.03	37.77	35.18	37.97	35.36
Short circuit current (ISC/A)	13.67	11.13	13.69	11.18	13.72	11.23	13.74	11.28
Component efficiency (%)	20.74%		21.00%		21.25%		21.51%	
Power tolerance	0~+5W							
Temperature Coefficient of Isc(α_Isc)	+0.05%/℃							
Temperature Coefficient of Voc(β_Voc)	-0.275%/℃							
Temperature Coefficient of Pmax(γ_Pmp)	-0.350%/℃							

BIFACIAL OUTPUT-REARSIDE POWER GAIN				
5%	Maximum Power (Pmax)	425Wp	431Wp	436Wp
	Module Efficiency STC (%)	21.76%	22.07%	22.33%
15%	Maximum Power (Pmax)	466Wp	472Wp	477Wp
	Module Efficiency STC (%)	23.86%	24.17%	24.43%



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

