



TO MAKE A BETTER LIFE

ORM60D55MR 590~600W

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

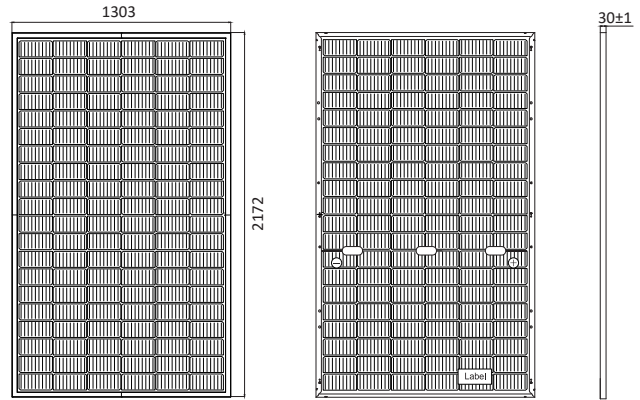
ISO 9001:

2015/Quality management system



MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	35kg
Module dimension	2172*1303*30mm
Number of cells	120 (6*20)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 648pcs/40'HQ Container



ELECTRICAL PERFORMANCE

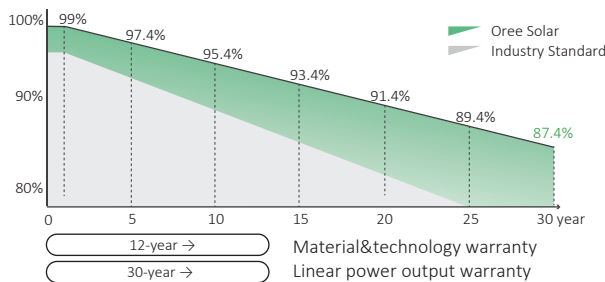
STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s

Model	ORM60D55-590/MR		ORM60D55-595/MR		ORM60D55-600/MR	
	STC	NOCT	STC	NOCT	STC	NOCT
Type						
Maximum power (W)	590	447	595	451	600	454
Voltage at maximum power point (VMP/V)	34.70	31.73	34.90	31.92	35.10	32.02
Current at maximum power point (IMP/A)	17.01	14.09	17.05	14.13	17.10	14.18
Open circuit voltage (VOC/V)	41.50	38.73	41.70	38.92	41.90	39.12
Short circuit current (ISC/A)	17.81	14.85	17.85	14.88	17.89	14.92
Component efficiency (%)	20.85%		21.02%		21.20%	
Power tolerance	0~+5W					
Temperature Coefficient of Isc(α _{Isc})	+0.04%/°C					
Temperature Coefficient of Voc(β _{Voc})	-0.25%/°C					
Temperature Coefficient of Pmax(γ _{Pmp})	-0.34%/°C					

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

Gain	Parameter	ORM60D55-590/MR	ORM60D55-595/MR	ORM60D55-600/MR
5%	Maximum Power (Pmax)	620Wp	625Wp	630Wp
	Module Efficiency STC (%)	21.90%	22.08%	22.26%
15%	Maximum Power (Pmax)	679Wp	684Wp	690Wp
	Module Efficiency STC (%)	23.90%	24.16%	24.38%

SUPERIOR WARRANTY



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

CHARACTERISTICS

