TO MAKE A BETTER LIFE

ORM60T50MR

590~610W

Mono Half-cut PERC Module

- 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

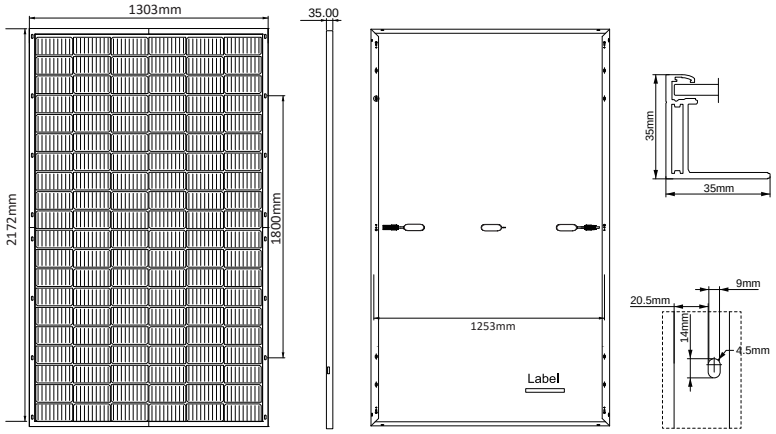
COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

IEC 61215 / IEC 61730 / CE / JPEA / FIDE / INMETRO
ISO 45001:
2018/International standards for occupational health & safety
ISO 14001:
20l5/Standards for environmental management system
ISO 9001:
2015/Quality management system

ORM60T50MR590~610W

MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	29.9kg
Module dimension	2172*1303*35mm
Number of cells	120 (6*20)
Cable	4mm²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 558pcs/40'HQ Container

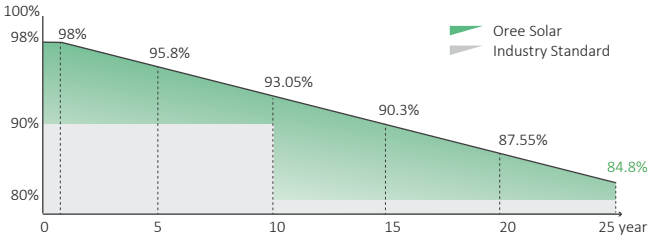


ELECTRICAL PERFORMANCE

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

Model	ORM60T50-590/MR		ORM60T50-595/MR		ORM60T50-600/MR		ORM60T50-605/MR		ORM60T50-610/MR	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	590	447	595	451	600	454	605	458	610	462
Voltage at maximum power point (VMP/V)	34.01	31.73	34.20	31.92	34.39	32.02	34.57	32.21	34.76	32.40
Current at maximum power point (IMP/A)	17.35	14.09	17.40	14.13	17.45	14.18	17.50	14.22	17.55	14.27
Open circuit voltage (VOC/V)	41.11	38.73	41.30	38.92	41.49	39.12	41.70	39.31	41.89	39.52
Short circuit current (ISC/A)	18.40	14.85	18.45	14.88	18.50	14.92	18.54	14.96	18.59	14.99
Component efficiency (%)	20.85%		21.02%		21.20%		21.38%		21.55%	
Power tolerance	0~+5W									
Temperature Coefficient of Isc(α_Isc)	+0.04%/℃									
Temperature Coefficient of Voc(β_Voc)	-0.25%/℃									
Temperature Coefficient of Pmax(γ_Pmp)	-0.34%/℃									

SUPERIOR WARRANTY



12-year → Material&technology warranty

25-year → Linear power output warranty

WORKING PARAMETERS

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

CHARACTERISTICS