



TO MAKE A BETTER LIFE

ORM72T31MR 530~555W

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:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system

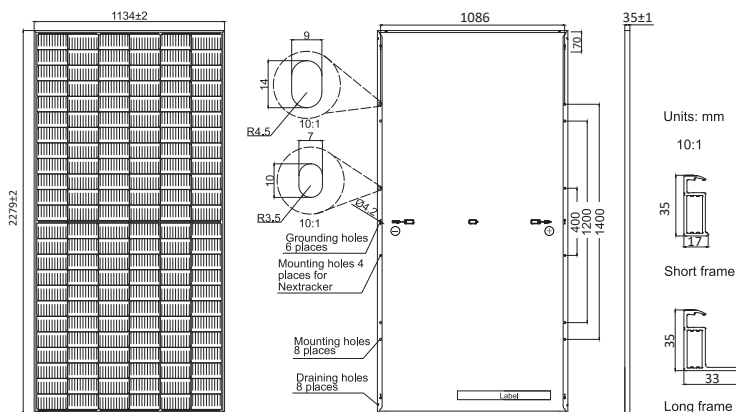


ORM72T31MR530~555W



MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	28.5kg
Module dimension	2279*1134*35mm
Number of cells	144 (6*24)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 620pcs/40'HQ Container



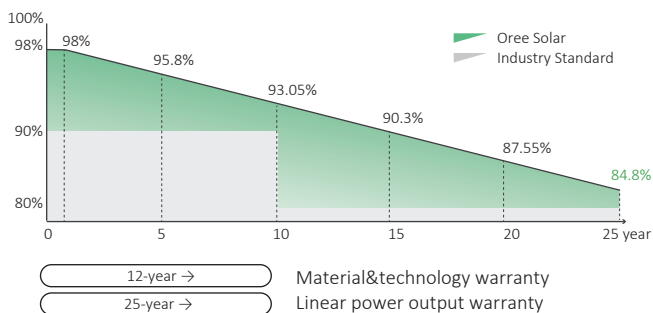
ELECTRICAL PERFORMANCE

STC: AM1.5 1000W/m² 25°C

NOCT: AM1.5 800W/m² 20°C 1m/s

Model	ORM72T31-530/MR		ORM72T31-535/MR		ORM72T31-540/MR		ORM72T31-545/MR		ORM72T31-550/MR		ORM72T31-555/MR	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	530	401	535	405	540	409	545	412	550	416	555	420
Voltage at maximum power point (VMP/V)	41.40	38.48	41.55	38.67	41.70	38.89	41.85	39.14	42.00	39.28	42.15	39.45
Current at maximum power point (IMP/A)	12.81	10.42	12.88	10.47	12.95	10.52	13.03	10.53	13.10	10.59	13.17	10.65
Open circuit voltage (VOC/V)	49.25	46.16	49.40	46.28	49.55	46.40	49.70	46.59	49.85	46.80	50.00	47.01
Short circuit current (ISC/A)	13.73	11.05	13.79	11.09	13.85	11.13	13.91	11.17	13.97	11.21	14.02	11.25
Component efficiency (%)	20.51%		20.70%		20.89%		21.09%		21.28%		21.48%	
Power tolerance	0~+5W											
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											

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	ClassA

CHARACTERISTICS

