

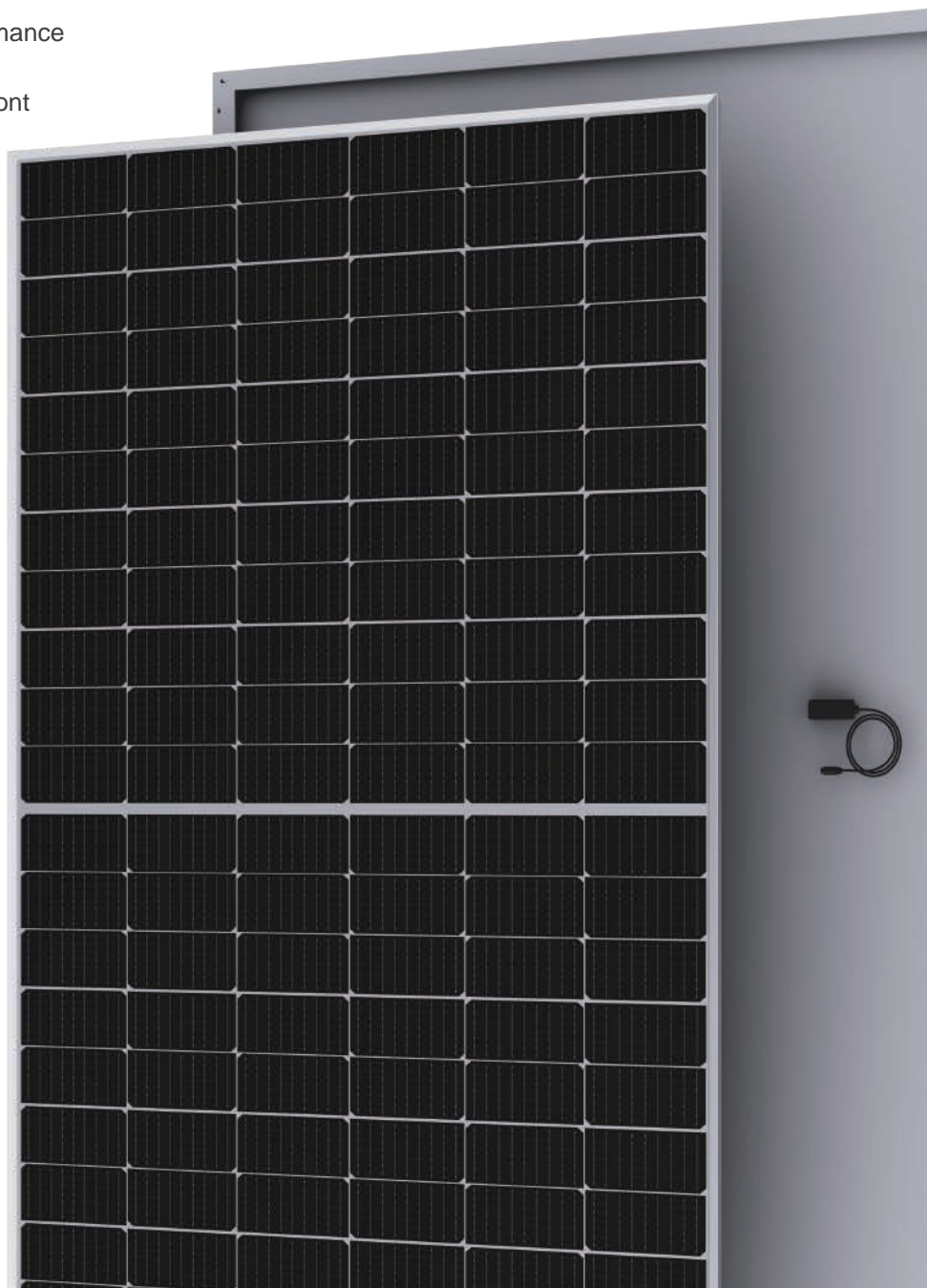


TO MAKE A BETTER LIFE

ORM66T31MR 485~505W

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

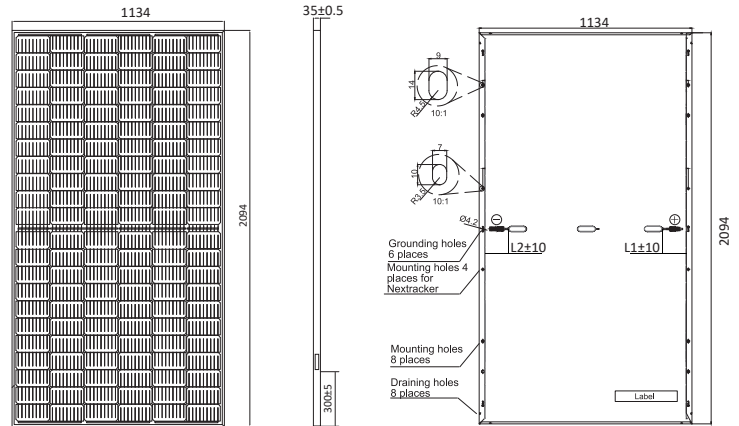


ORM66T31MR485~505W



MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	26kg
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

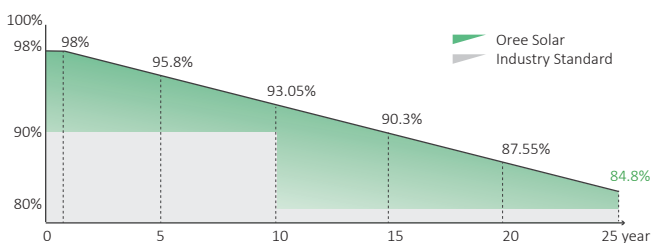


ELECTRICAL PERFORMANCE

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

Model	ORM66T31-485/MR		ORM66T31-490/MR		ORM66T31-495/MR		ORM66T31-500/MR		ORM66T31-505/MR	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	485	365	490	369	495	373	500	377	505	380
Voltage at maximum power point (VMP/V)	38.00	34.80	38.15	34.98	38.30	35.16	38.45	35.34	38.60	35.51
Current at maximum power point (IMP/A)	12.77	10.49	12.85	10.55	12.93	10.61	13.01	10.67	13.09	10.70
Open circuit voltage (VOC/V)	45.20	42.31	45.35	42.45	45.50	42.56	45.65	42.73	45.80	42.87
Short circuit current (ISC/A)	13.68	11.07	13.76	11.13	13.83	11.19	13.91	11.24	13.98	11.30
Component efficiency (%)	20.42%		20.64%		20.85%		21.06%		21.27%	
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



12-year →

Material&technology warranty

25-year →

Linear power output 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

