

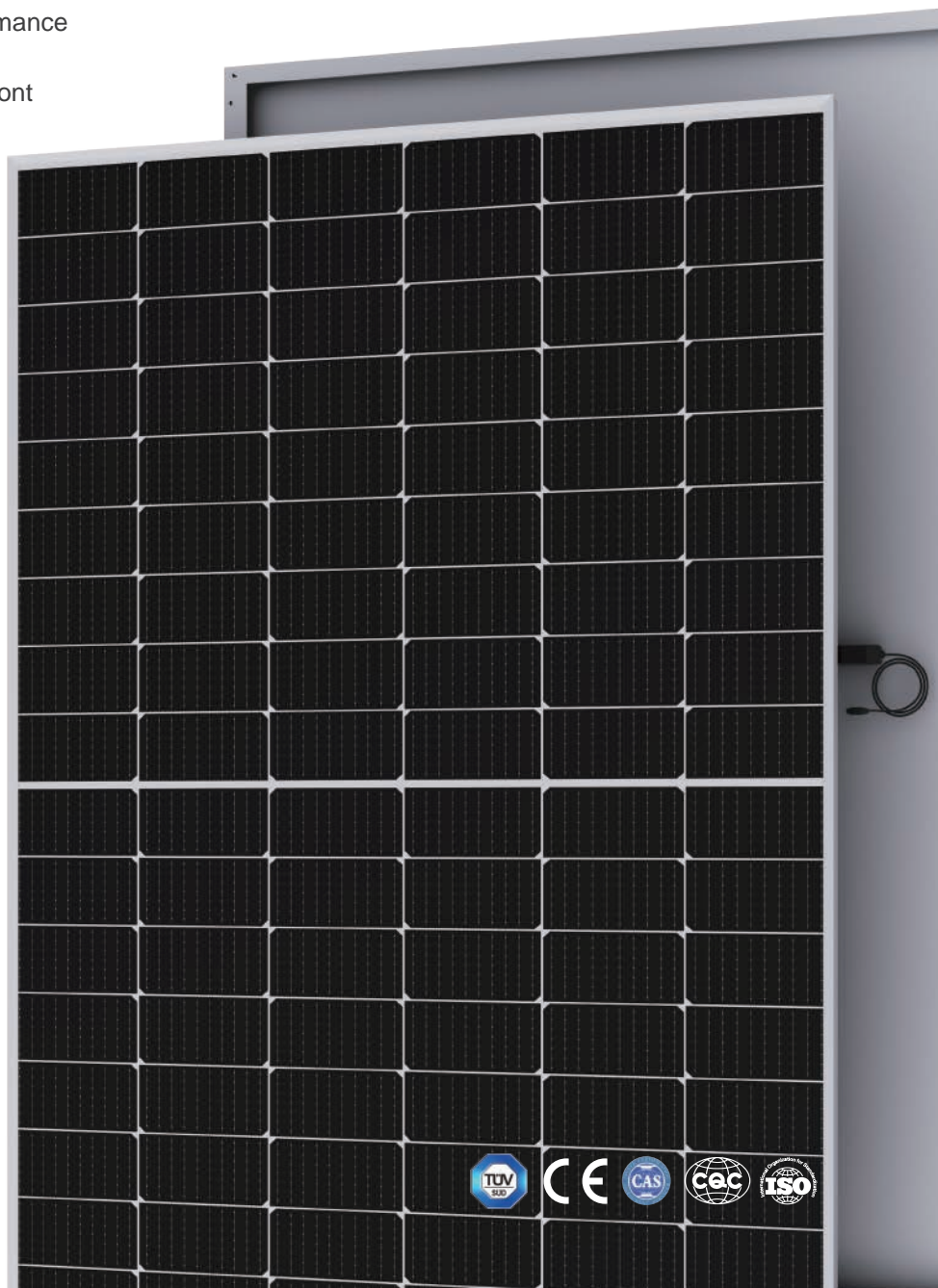


TO MAKE A BETTER LIFE

# ORM54T31MR 400~415W

## 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

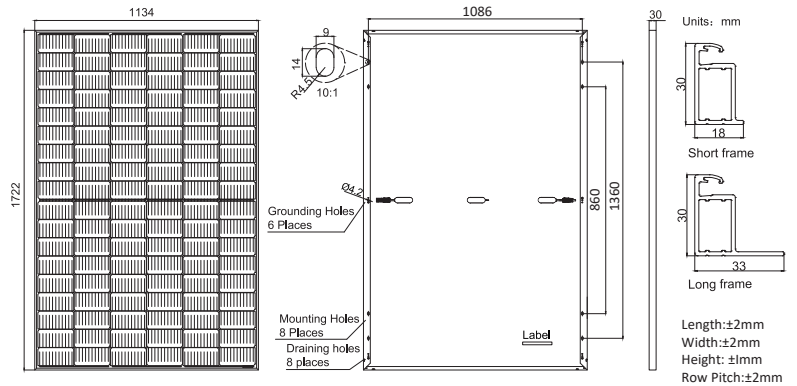


# ORM54T31MR400~415W



## MECHANICAL PARAMETERS

Cell type	Monocrystalline
Weight	21.4kg
Module dimension	1722*1134*30mm
Number of cells	108 (6*18)
Cable	4mm <sup>2</sup>
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

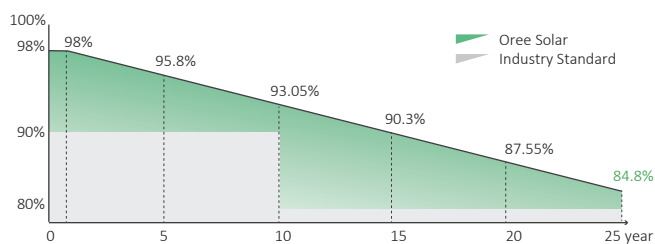
## ELECTRICAL PERFORMANCE

STC: AM1.5 1000W/m<sup>2</sup> 25°C

NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Model	ORM54T31-400/MR		ORM54T31-405/MR		ORM54T31-410/MR		ORM54T31-415/MR	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Type								
Maximum power (W)	400	303	405	307	410	310	415	313
Voltage at maximum power point (VMP/V)	31.20	28.96	31.40	29.21	31.60	29.38	31.80	29.53
Current at maximum power point (IMP/A)	12.83	10.46	12.90	10.51	12.98	10.55	13.06	10.60
Open circuit voltage (VOC/V)	37.10	34.58	37.30	34.81	37.50	35.03	37.70	35.18
Short circuit current (ISC/A)	13.73	11.08	13.81	11.13	13.88	11.18	13.96	11.23
Component efficiency (%)	20.48%		20.74%		21.00%		21.25%	
Power tolerance	0~+5W							
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.05%/C							
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.275%/C							
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-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

