

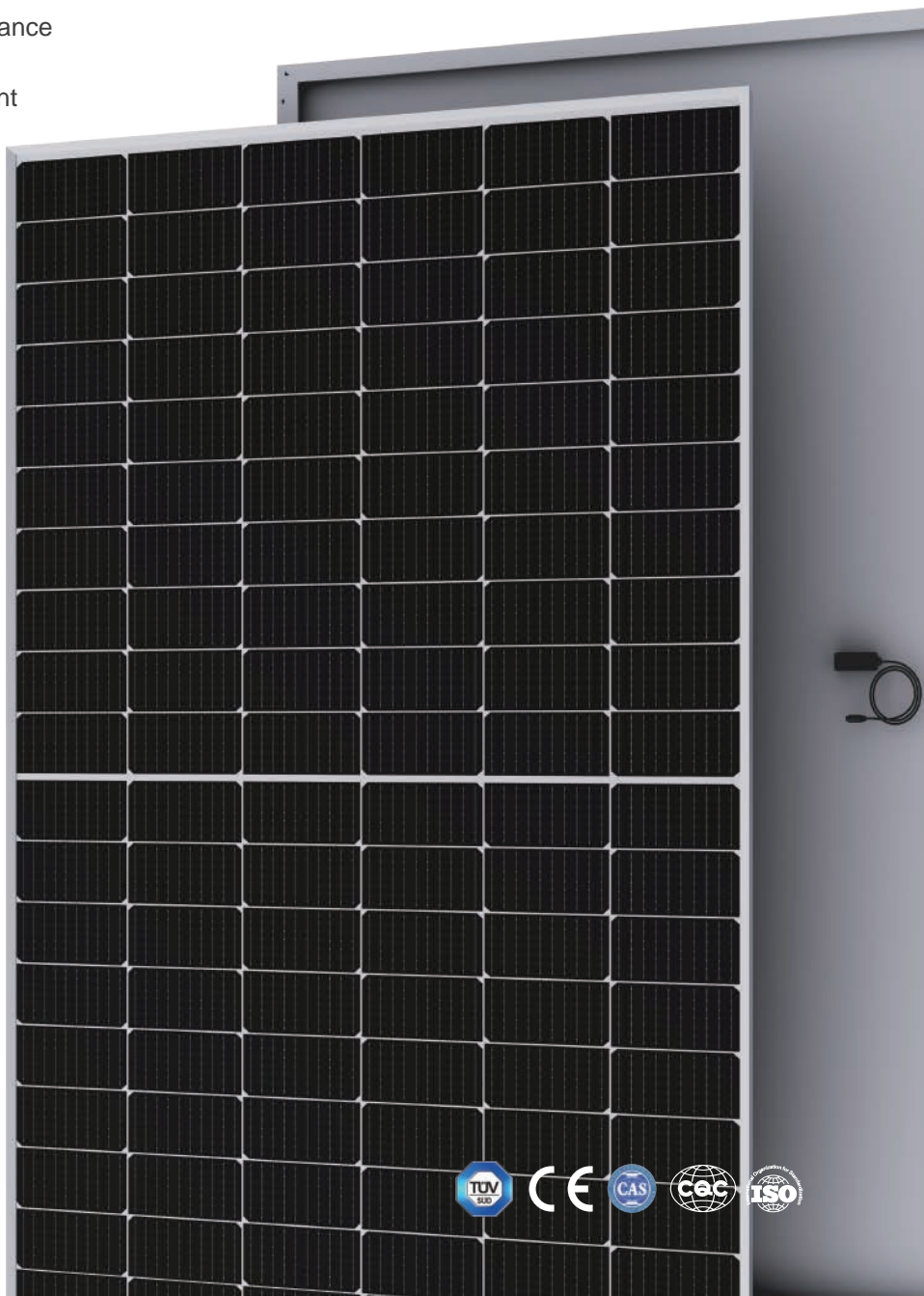


TO MAKE A BETTER LIFE

# ORM60T31MR 360~380W

## 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:

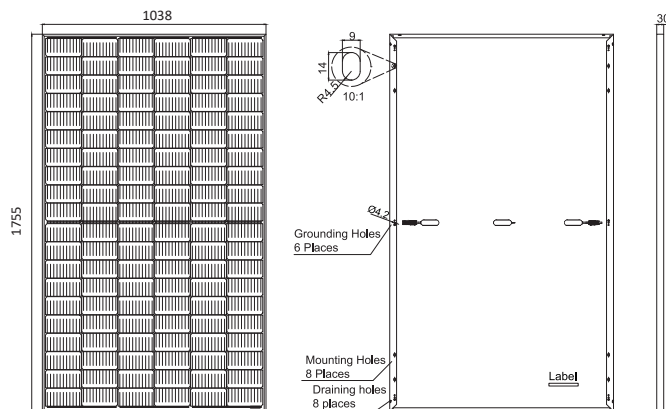
2015/Standards for environmental management system

ISO 9001:

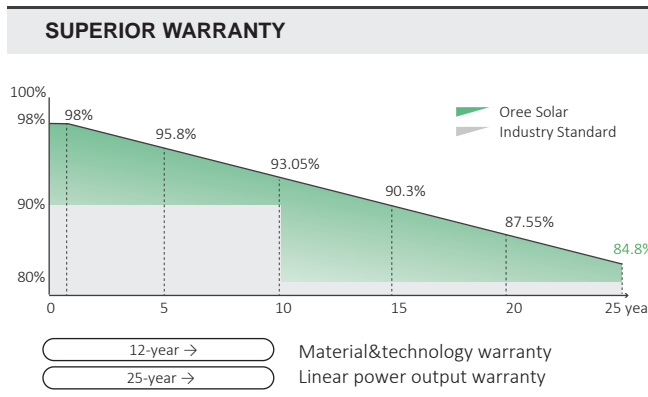
2015/Quality management system



MECHANICAL PARAMETERS	
Cell type	Monocrystalline
Weight	19.7kg
Module dimension	1755*1038*30mm
Number of cells	120 (6*20)
Cable	4mm <sup>2</sup>
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 936pcs/40'HQ Container



ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m <sup>2</sup> 25 °C				NOCT: AM1.5 800W/m <sup>2</sup> 20 °C 1m/s					
	ORM60T31-360/MR		ORM60T31-365/MR		ORM60T31-370/MR		ORM60T31-375/MR		ORM60T31-380/MR	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	360	266	365	270	370	274	375	278	380	281
Voltage at maximum power point (VMP/V)	34.00	31.19	34.21	31.40	34.42	31.64	34.63	31.85	34.84	31.97
Current at maximum power point (IMP/A)	10.59	8.53	10.67	8.60	10.75	8.66	10.83	8.73	10.91	8.79
Open circuit voltage (VOC/V)	40.87	37.49	41.06	37.68	41.28	37.94	41.49	38.16	41.69	38.26
Short circuit current (ISC/A)	11.08	8.93	11.16	8.99	11.24	9.06	11.32	9.12	11.40	9.19
Component efficiency (%)	19.76%		20.03%		20.31%		20.58%		20.85%	
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									



### WORKING PARAMETERS

Maximum system voltage	1500V (TUV)
Operating temperature	-40 °C ~ +85 °C
Maximum series fuse rating	20A
Maximum static load, front side	5400pa
Maximum static load, back side	2400pa
Nominal battery operating temperature	44±2 °C
Application level	Class A

