



TO MAKE A BETTER LIFE

ORM72T31TP 560~580W

N-Type TOPCon Module

- Higher module power reduce the overall BOS of the PV system
- Better Anti-PID performance
- Higher power output at low light conditions
- At least 30 years life cycle



COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

IEC 61215 / IEC 61730 / CE / JPEA / FIDE / INMETRO

ISO 45001:

2018/International standards for occupational health & safety

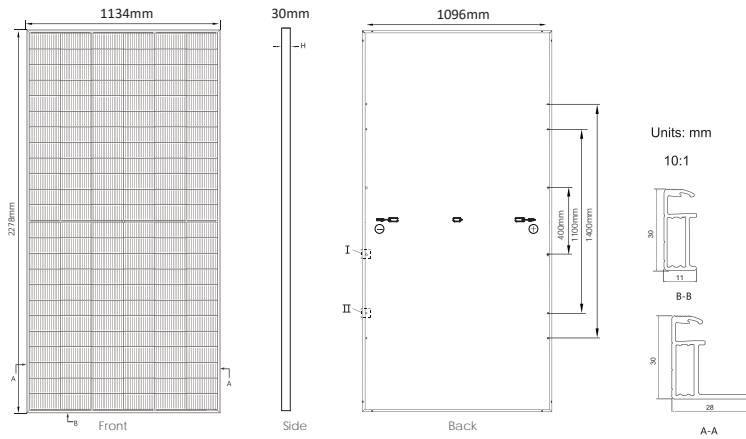
ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system





Remark: customized frame color and cable length available upon request

MECHANICAL PARAMETERS

Cell type	N-TYPE TOPCon
Weight	27.6kg
Module dimension	2278*1134*30mm
Number of cells	144 (6*24)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 720pcs/40'HQ Container

ELECTRICAL PERFORMANCE

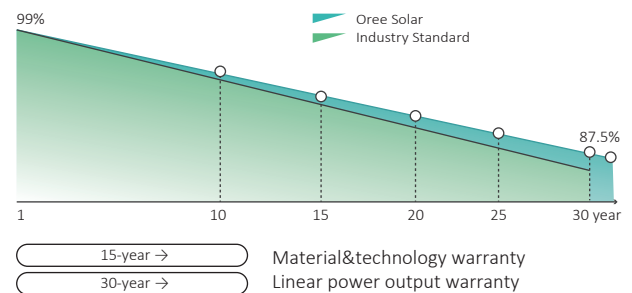
STC: AM1.5 1000W/m² 25 C NOCT: AM1.5 800W/m² 20 C 1m/s

Model	ORM72T31-560/TP		ORM72T31-565/TP		ORM72T31-570/TP		ORM72T31-575/TP		ORM72T31-580/TP		
	Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	560	417	565	421	570	425	575	428	580	432	
Voltage at maximum power point (VMP/V)	43.97	41.16	44.10	41.28	44.23	41.41	44.35	41.52	44.48	41.64	
Current at maximum power point (IMP/A)	12.74	10.14	12.81	10.19	12.89	10.26	12.96	10.31	13.04	10.38	
Open circuit voltage (VOC/V)	51.30	48.42	51.45	48.57	51.60	48.71	51.75	48.85	51.90	48.99	
Short circuit current (ISC/A)	13.41	10.83	13.46	10.87	13.51	10.92	13.56	10.96	13.61	11.00	
Component efficiency (%)	21.68%		21.87%		22.07%		22.26%		22.50%		
Power tolerance						0~+5W					
Temperature Coefficient of Isc(α _{Isc})						+0.04%/C					
Temperature Coefficient of Voc(β _{Voc})						-0.28%/C					
Temperature Coefficient of Pmax(γ _{Pmp})						-0.30%/C					

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

SUPERIOR WARRANTY



CHARACTERISTICS

