

N-Type TOPCon Module

ORM54T31TP

410~435W

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:

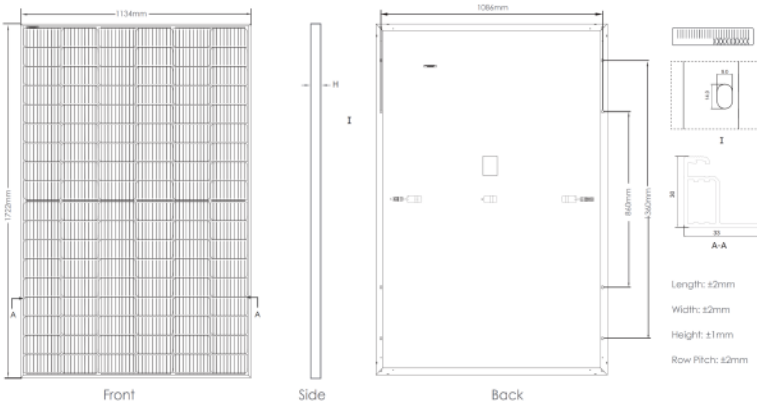
2018/International standards for occupational health & safety

ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system



MECHANICAL PARAMETERS

Cell type	N-TYPE TOPCon
Weight	21kg
Module dimension	1722*1134*35mm
Number of cells	108 (6*18)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	36 pieces per pallet 936pcs/40HQ Container

ELECTRICAL PERFORMANCE

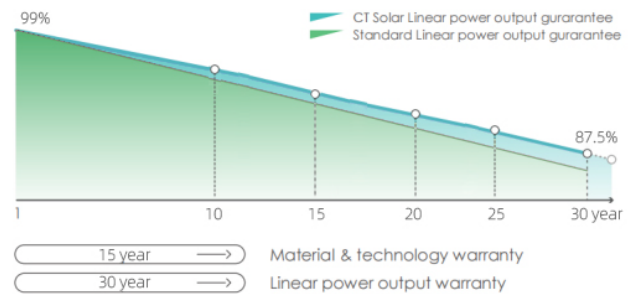
STC: AM1.5 1000W/m² 25 C Power tolerance : 0~±5W NOCT: AM1.5 800W/m² 20 C 1m/s

Model	ORM54T31-410/TP		ORM54T31-415/TP		ORM54T31-420/TP		ORM54T31-425/TP		ORM54T31-430/TP		ORM54T31-435/TP	
	Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC
Maximum power (W)	410	305	415	309	420	312	425	316	430	320	435	324
Voltage at maximum power point (VMP/V)	31.65	29.31	31.83	29.61	32.05	29.91	32.25	30.22	32.45	30.52	32.65	30.83
Current at maximum power point (IMP/A)	12.95	10.41	13.03	10.43	13.10	10.45	13.18	10.46	13.25	10.48	13.32	10.50
Open circuit voltage (VOC/V)	37.53	35.16	37.78	35.36	38.03	35.56	38.28	35.76	38.53	35.96	38.78	36.17
Short circuit current (ISC/A)	13.90	11.55	13.94	11.61	13.99	11.67	14.04	11.75	14.09	11.83	14.13	11.91
Component efficiency (%)	21.00%		21.25%		21.51%		21.76%		22.02%		22.28%	

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	45±2 C
Application level	ClassA

SUPERIOR WARRANTY



CHARACTERISTICS

435W

