

## ORM72T35TP 555~585W

ALL BLACK  
N-Type TOPCon Bifacial

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

### COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

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

ISO 45001:

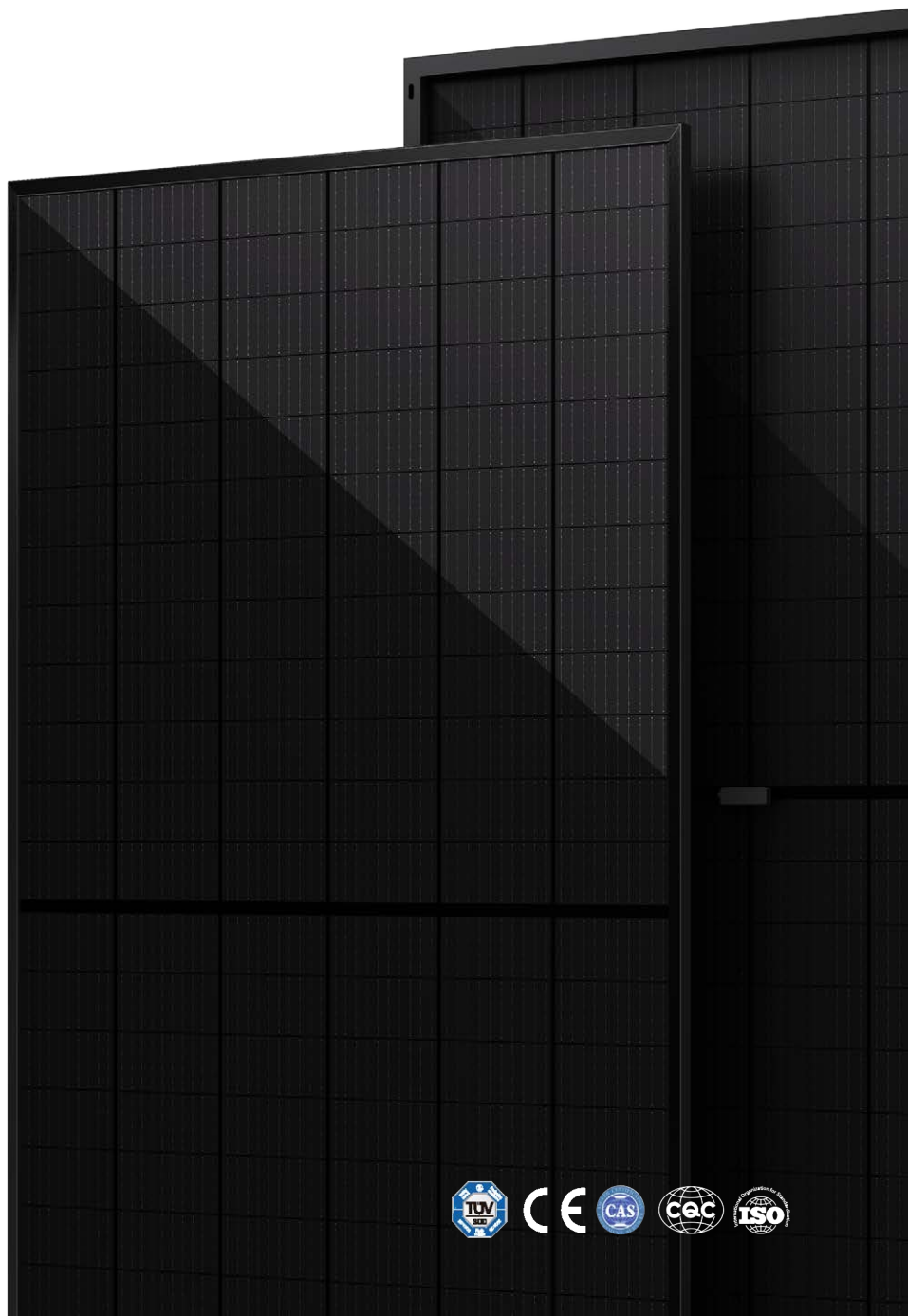
2018/International standards for occupational health & safety

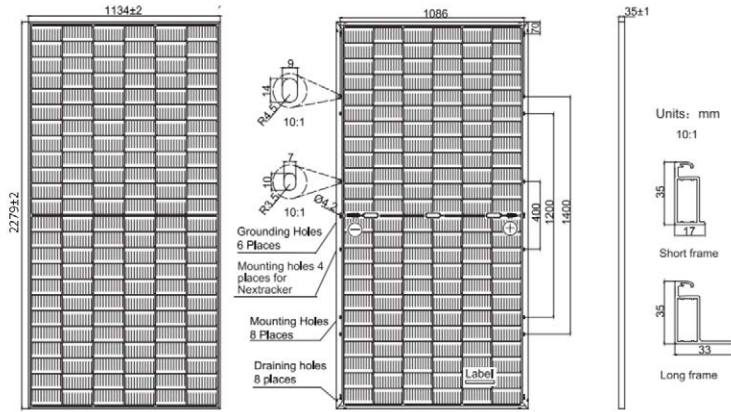
ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system





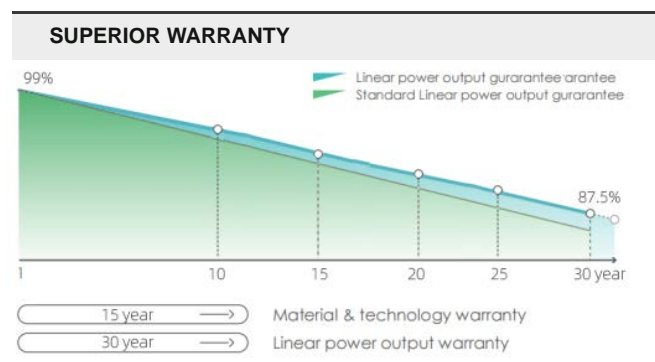
Remark: customized frame color and cable length available upon request

MECHANICAL PARAMETERS	
Cell type	N-TYPE TOPCon
Weight	28kg
Module dimension	2279*1134*35mm
Number of cells	144 (6*24)
Cable	4mm <sup>2</sup>
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 620pcs/40HQ 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							
	Model	ORM72T35-555/TP	ORM72T35-560/TP	ORM72T35-565/TP	ORM72T35-570/TP	ORM72T35-575/TP	ORM72T35-580/TP	ORM72T35-585/TP	STC	NOCT	STC	NOCT	STC	NOCT
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	555	414	560	417	565	420	570	424	575	428	580	432	585	435
Voltage at maximum power point (VMP/V)	42.95	39.49	43.25	39.79	43.55	40.09	43.85	40.39	44.15	40.69	44.45	40.99	44.75	41.29
Current at maximum power point (IMP/A)	12.92	10.45	12.95	10.47	12.97	10.49	13.00	10.50	13.02	10.51	13.05	10.53	13.07	10.54
Open circuit voltage (VOC/V)	50.10	46.75	50.30	46.95	50.50	47.15	50.70	47.35	50.90	47.55	51.10	47.75	51.30	47.95
Short circuit current (ISC/A)	14.01	11.35	14.07	11.40	14.13	11.45	14.19	11.50	14.25	11.55	14.31	11.60	14.37	11.65
Component efficiency (%)	21.48%		21.67%		21.86%		22.06%		22.25%		22.44%		22.64%	
Power tolerance	0~+5W													
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.046%/C													
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.260%/C													
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.300%/C													
Refer. Bifacial Factor	80±5%													

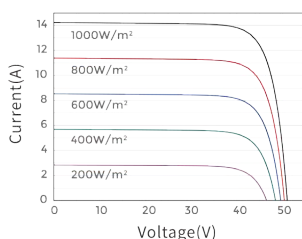
BIFACIAL OUTPUT-REAR SIDE POWER GAIN		5%	15%
Maximum Power (Pmax)		583Wp	638Wp
Module Efficiency STC (%)		22.55%	24.70%
Maximum Power (Pmax)		588Wp	644Wp
Module Efficiency STC (%)		22.75%	24.92%
		593Wp	650Wp
		22.95%	25.14%
		599Wp	656Wp
		23.16%	25.37%
		604Wp	661Wp
		23.36%	25.59%
		609Wp	667Wp
		23.56%	25.81%
		614Wp	673Wp
		23.77%	26.04%

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

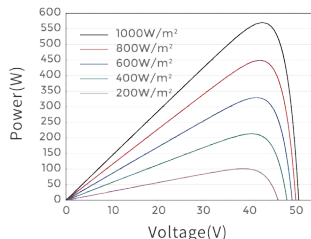


## CHARACTERISTICS 585W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

