

ORM72D35TP 560~580W

ALL BLACK
N-Type TOPCon Bifacial

- 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:

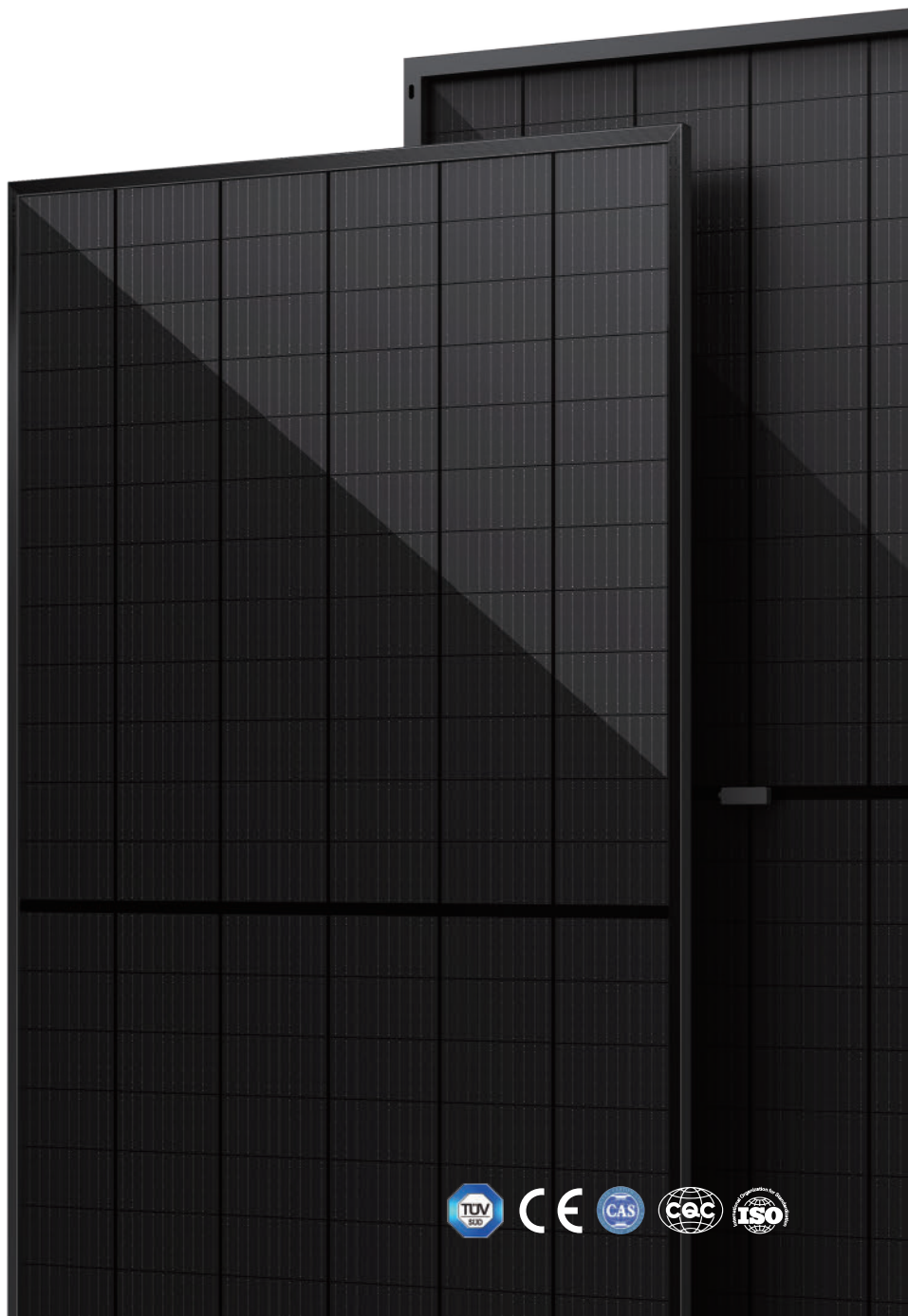
2018/International standards for occupational health & safety

ISO 14001:

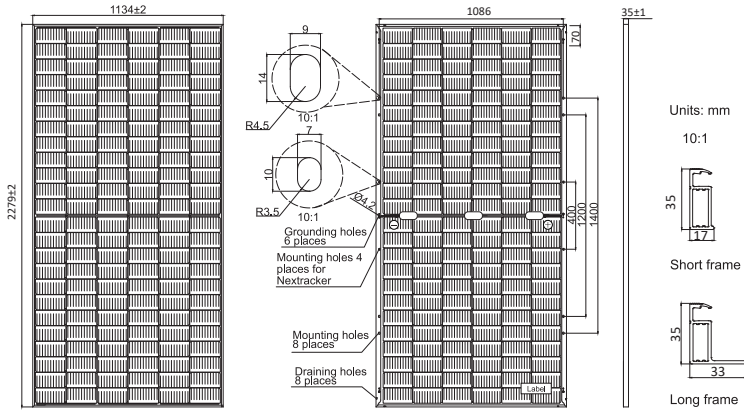
2015/Standards for environmental management system

ISO 9001:

2015/Quality management system



ORM72D35TP560~580W



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 ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible connector
Packaging	31 pieces per pallet 620pcs/40'HQ Container

ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m ² 25 °C				NOCT: AM1.5 800W/m ² 20 °C 1m/s					
	ORM72D35-560/TP		ORM72D35-565/TP		ORM72D35-570/TP		ORM72D35-575/TP		ORM72D35-580/TP	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	560	422	565	426	570	430	575	433	580	437
Voltage at maximum power point (VMP/V)	43.28	39.43	43.58	39.63	43.87	40.56	44.17	40.73	44.46	40.89
Current at maximum power point (IMP/A)	12.96	10.71	12.99	10.75	13.02	10.59	13.05	10.64	13.08	10.69
Open circuit voltage (VOC/V)	51.52	48.15	51.63	48.34	51.75	39.60	51.86	39.75	51.98	39.90
Short circuit current (ISC/A)	13.56	11.41	13.58	11.46	13.59	11.16	13.61	11.21	13.63	11.26
Component efficiency (%)	21.67%		21.86%		22.06%		22.25%		22.44%	
Power tolerance	0~+3%									
Temperature Coefficient of Isc(α_Isc)	+0.046%/ °C									
Temperature Coefficient of Voc(β_Voc)	-0.260%/ °C									
Temperature Coefficient of Pmax(γ_Pmp)	-0.300%/ °C									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN						
5%	Maximum Power (Pmax)	588Wp	593Wp	599Wp	604Wp	609Wp
	Module Efficiency STC (%)	30.11%	30.38%	30.65%	30.92%	31.19%
15%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	661Wp	667Wp
	Module Efficiency STC (%)	32.98%	33.27%	33.57%	33.86%	34.16%

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	Class A

