

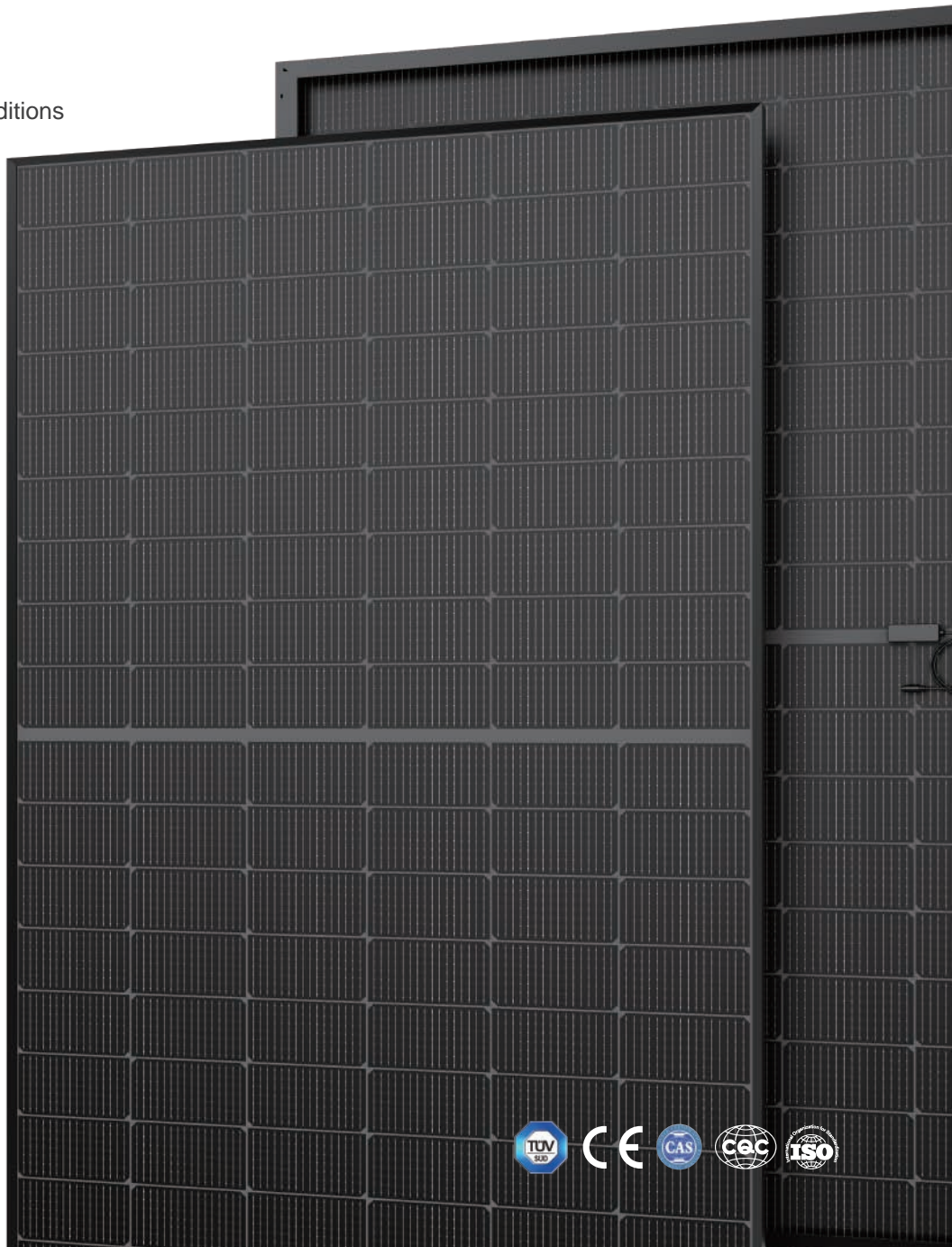
ORM54D35TP 420~435W

ALL BLACK
N-Type TOPCon Bifacial

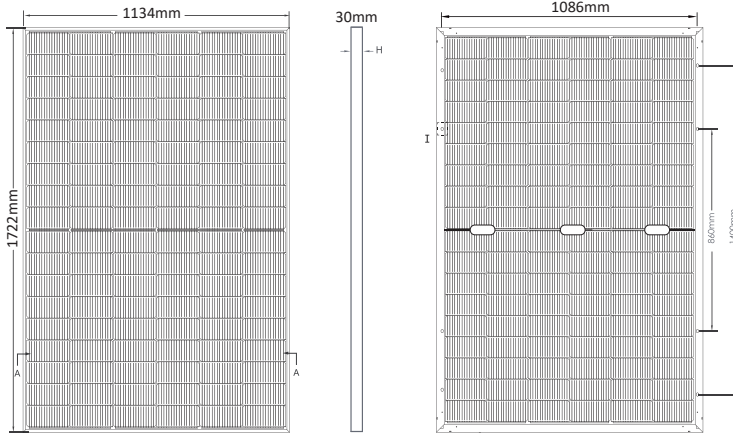
- Higher module power reduce the overall BOS of the PV system
- Better Anti-PID performance
- Higher power output at low light conditions
- At least 30 years life cycle

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



ORM54D35TP420~435W



MECHANICAL PARAMETERS	
Cell type	N-Type TOPCon
Weight	25.3kg
Module dimension	1722*1134*30mm
Number of cells	108 (6*18)
Cable	4mm ²
Junction box	IP68, 3 diodes
Connector	MC4 compatible
Packaging	36 pieces per pallet 936pcs/40'HQ Container

ELECTRICAL PERFORMANCE	STC: AM1.5 1000W/m ² 25 C				NOCT: AM1.5 800W/m ² 20 C 1m/s			
	ORM54D35-420/TP		ORM54D35-425/TP		ORM54D35-430/TP		ORM54D35-435/TP	
Type	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (W)	420	316	425	319	430	323	435	327
Voltage at maximum power point (VMP/V)	32.21	29.73	32.41	29.93	32.61	30.13	32.81	30.33
Current at maximum power point (IMP/A)	13.06	10.65	13.13	10.68	13.20	10.74	13.28	10.80
Open circuit voltage (VOC/V)	37.91	35.38	38.11	35.58	38.31	35.88	38.51	36.18
Short circuit current (ISC/A)	14.03	11.29	14.10	11.35	14.17	11.41	14.24	11.47
Component efficiency (%)	21.51%		21.76%		22.02%		22.28%	
Power tolerance	0~+5W							
Temperature Coefficient of Isc(α _{Isc})	+0.040%/C							
Temperature Coefficient of Voc(β _{Voc})	-0.250%/C							
Temperature Coefficient of Pmax(γ _{Pmp})	-0.340%/C							

BIFACIAL OUTPUT-REAR SIDE POWER GAIN					
5%	Maximum Power (Pmax)	441Wp	446Wp	452Wp	457Wp
	Module Efficiency STC (%)	22.58%	22.85%	23.12%	23.39%
15%	Maximum Power (Pmax)	483Wp	489Wp	495Wp	500Wp
	Module Efficiency STC (%)	24.73%	25.03%	25.32%	25.62%

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

