



AIKO

N-type ABC

Light Weight Module

AIKO-A-MAH54Tb Draft

Up to **22.5%**
430W-450W

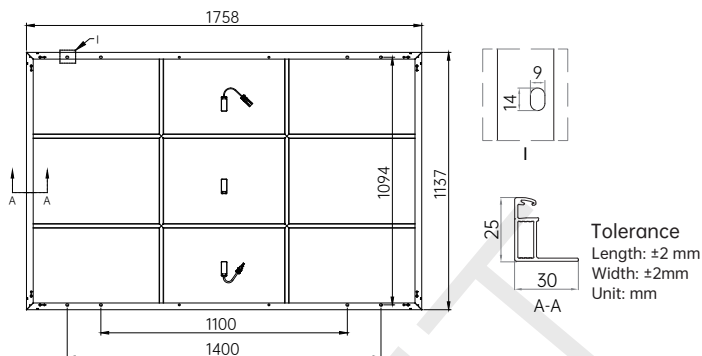
Higher generating capacity

Higher efficiency: 22.5%

Lower BOS cost

Black Front Side with No Fingers





Electrical Characteristics (STC: AM1.5 1000 W/m² 25°C NOCT: AM1.5 800 W/m² 20°C 1 m/s) Power Tolerance: 0 ~ + 3%

Model	AIKO-A430-MAH54Tb		AIKO-A4 35-MAH54Tb		AIKO-A4 40-MAH54Tb		AIKO-A4 45-MAH54Tb		AIKO-A450-MAH54Tb	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	430	324	435	327	440	331	445	335	450	339
V_{oc} [V]	40.02	37.8	40.12	37.89	40.22	37.99	40.32	38.08	40.42	38.17
V_{mp} [V]	34.31	32.41	34.41	32.5	34.51	32.59	34.61	32.69	34.71	32.78
I_{sc} [A]	13.60	11.00	13.66	11.04	13.72	11.09	13.78	11.14	13.84	11.19
I_{mp} [A]	12.54	10.00	12.65	10.09	12.75	10.18	12.86	10.26	12.97	10.35
Module Efficiency	21.5%		21.8%		22.0%		22.3%		22.5%	

Mechanical Specification

Cell Type	N-type ABC
Front Cover	Transparent
Back Cover	White
Frame	Black anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) Typical 200/350mm/Customizable
No. of Cells	108(6*18)
Junction Box	IP68, three bypass diodes
Connector	MC4 compatibility
Weight	10.2kg±3%
Dimension	1758*1137*25mm
Packaging Detail	42pcs per pallet /252pcs per 20GP /1008pcs per 40HQ

Installation Guide

Operating Temperature	- 40°C~+85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
V_{oc} and I_{sc} Tolerance	±3%
Maximum System Voltage	DC1500V

