



Neostar 2P

Mono-Glass Module

505W-525W

Second Generation
Comprehensive Upgrade:

 **Partial Shading Optimisation**

 **Better Temperature Coefficient**

 **High Temperature Restriction**

 **Micro-crack Resistance**

 **Higher Power**

 **Lower BOS**

 **No Front Grid Design**

 **15 Year Product Warranty**
Extendable to 25yrs*

 **30 Year Performance Warranty**



reddot winner 2023



Munich RE



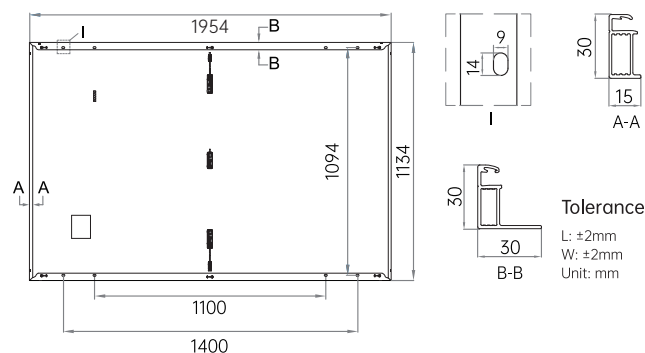
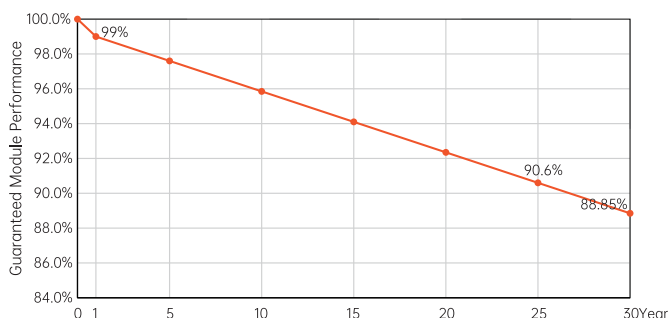
525W
Output

23.7%
Efficiency

 $\leq 1\%$
First-year Degradation

 $\leq 0.35\%$
Annual Degradation from Year 2-30

30-year Linear Performance Warranty



Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s)

Power Tolerance: 0~ +3%

Module Type	AIKO-A505-MAH60Mw		AIKO-A510-MAH60Mw		AIKO-A515-MAH60Mw		AIKO-A520-MAH60Mw		AIKO-A525-MAH60Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	505	383	510	386	515	390	520	394	525	398
V_{oc} [V]	45.12	42.80	45.22	42.90	45.32	42.99	45.42	43.09	45.52	43.18
V_{mp} [V]	38.00	36.05	38.10	36.15	38.20	36.24	38.30	36.34	38.40	36.43
I_{sc} [A]	14.11	11.40	14.17	11.45	14.23	11.49	14.29	11.54	14.35	11.59
I_{mp} [A]	13.30	10.63	13.39	10.70	13.49	10.78	13.58	10.86	13.68	10.93
Module Efficiency	22.8%		23.0%		23.2%		23.5%		23.7%	

Product Specification

Cell type	N-Type ABC
Glass	3.2 mm tempered glass
Backsheet	High weather resistant backsheet
Frame	Black anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) 1200mm/+350mm,-280mm
No. of cells	108(6*18)
Junction Box	IP68, 3 bypass diodes
Connector	MC4-Evo2
Weight	24.0Kg±3%
Weight	1954*1134*30mm
Package Detail	36pcs per pallet /180pcs per 20GP/ 864pcs per 40HC

Temperature Ratings (STC)

Temperature Coefficient of I_{sc}	+ 0.05%/ °C
Temperature Coefficient of V_{oc}	- 0.22%/ °C
Temperature Coefficient of P_{max}	- 0.26%/ °C

Installation Guide

Operation 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
Maximum Static Loading	+5400Pa/-2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

