



Half Cell Bifacial Module N Type

DAS-DH144NA 550W ~ 570W



High Efficiency

Module efficiency leading in industry, up to 22.1%



High Reliability

15 years materials warranty, 30 years power warranty



Dual Sides Power Generation

Bifaciality is up to 80%, up to 30% more energy yield than conventional modules



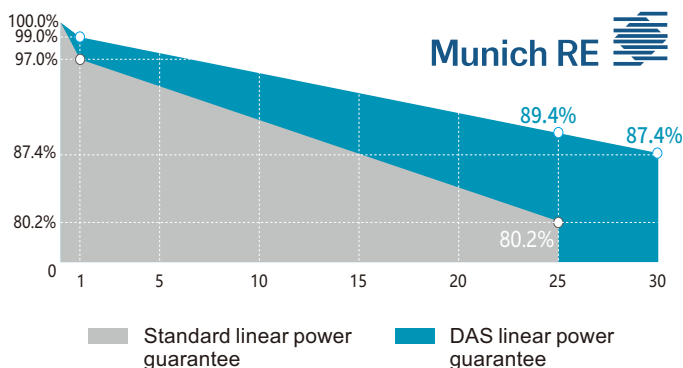
Excellent Appearance and Performance

Both side black cell, symmetrical design, low risk of micro-crack



Extensive Application Scenes

More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region



Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environmental Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test

-1.00%
First year power degradation
-0.40%
Annual degradation

15 YEAR
Materials and workmanship warranty

30 YEAR
Linear power warranty



Electrical Parameters (STC*)

Module Type	DH144NA-550	DH144NA-555	DH144NA-560	DH144NA-565	DH144NA-570
Nominal Max. Power(Pmax/W)	550	555	560	565	570
Open Circuit Voltage(Voc/V)	50.27	50.47	50.67	50.87	51.07
Short Circuit Current(Isc/A)	14.01	14.07	14.13	14.19	14.25
Operating Voltage(Vmp/V)	41.58	41.77	41.96	42.15	42.34
Operating Current(Imp/A)	13.23	13.29	13.35	13.41	13.47
Efficiency(%)	21.3	21.5	21.7	21.9	22.1

STC*(Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Parameters (NMOT*)

Module Type	DH144NA-550	DH144NA-555	DH144NA-560	DH144NA-565	DH144NA-570
Nominal Max. Power(Pmax/W)	411	414	418	422	426
Open Circuit Voltage(Voc/V)	47.40	47.60	47.80	48.00	48.20
Short Circuit Current(Isc/A)	11.29	11.34	11.39	11.44	11.49
Operating Voltage(Vmp/V)	39.30	39.40	39.60	39.80	40.00
Operating Current(Imp/A)	10.46	10.50	10.55	10.60	10.65

NMOT*(Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

Back Power Gain (For 560W)

Power Gain	10%	15%	20%	25%	30%
Nominal Max. Power(Pmax/W)	616	644	672	700	728
Open Circuit Voltage(Voc/V)	50.90	51.00	51.10	51.20	51.30
Short Circuit Current(Isc/A)	15.43	16.09	16.76	17.42	18.09
Operating Voltage(Vmp/V)	42.70	42.80	42.90	43.00	43.10
Operating Current(Imp/A)	14.42	15.04	15.67	16.29	16.92

Mechanical Parameters

Cell size	Bifacial N Type 182mm*91mm
Module size	2274×1134×35mm (L x W x H)
Glass Thickness	2.0mm
Module Weight	32.6Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

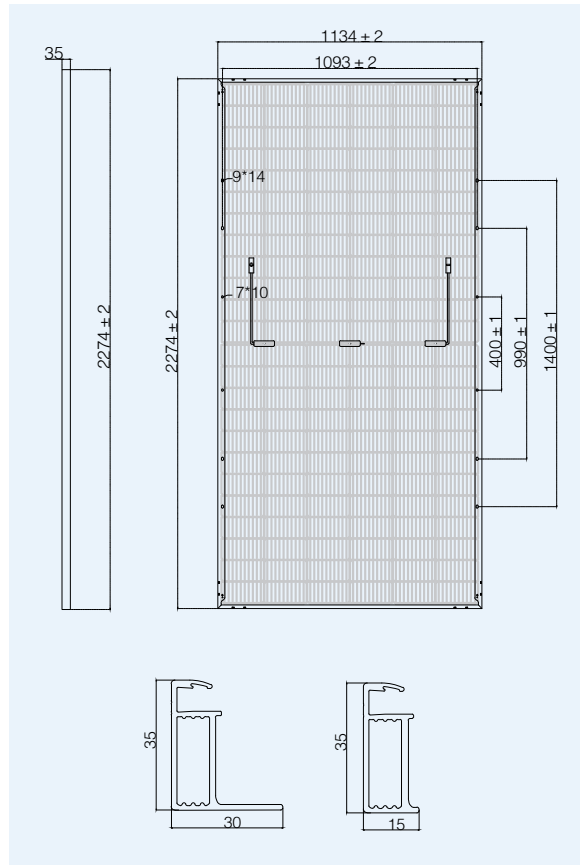
Temperature Coefficients

Short Circuit Current(Isc)	+0.045%/°C
Open Circuit Voltage(Voc)	-0.25%/°C
Nominal Max. Power(Pmax)	-0.30%/°C
NMOT	42±2°C

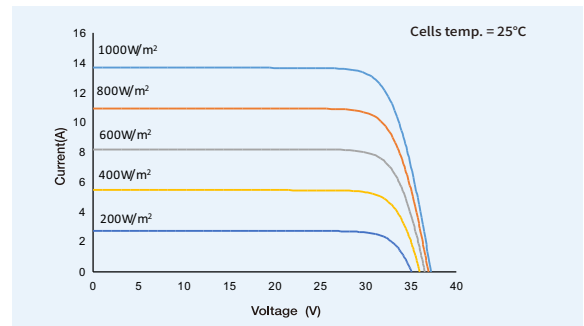
Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	30A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Safety Class	Class II
Packing Specification	31 pcs/Pallet, 155 pcs/ 20'GP; 620 pcs/ 40'HQ;

Dimension



I-V curve



I-V curve

