

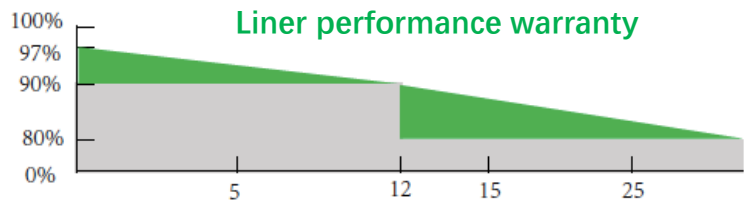
**DNE400-415M10-54H**

**12  
Years**

**12 Years quality assurance of materials and craftsmanship**

**25  
Years**

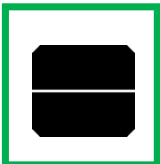
**25 Years 80% output power guarantee**



**Qualifications and Certificates**



**Key Features**



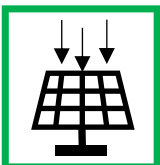
**High Efficiency Solar Module**

Half-cut cells with lower internal current and lower internal resistance losses



**Excellent Anti-PID Performance**

The performance of PID resistance (Potential Induced Degradation) passed the standard TUV



**Strong Mechanical Load Frame**

Mechanical load capacity up to 5400pa



**100% EL Testing**

Each solar panel passes two Electroluminescence (EL) inspections

## Electrical Data (STC)

\* STC: Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM 1.5

Module Type	DNE400M10-54H	DNE405M10-54H	DNE410M10-54H	DNE415M10-54H
Peak Power (Pmax)	400	405	410	415
Maximum Power Voltage (Vmp)	30.98	31.23	31.44	31.60
Maximum Power Current (Imp)	12.91	12.97	13.04	13.13
Open Circuit Voltage (Voc)	37.10	37.33	37.58	37.77
Short Circuit Current (Isc)	13.80	13.87	13.94	14.03
Module Efficiency (%)	20.50	20.70	21.00	21.20
Maximum Power Tolerance	0-5W	0-5W	0-5W	0-5W

## Electrical Data (NOCT)

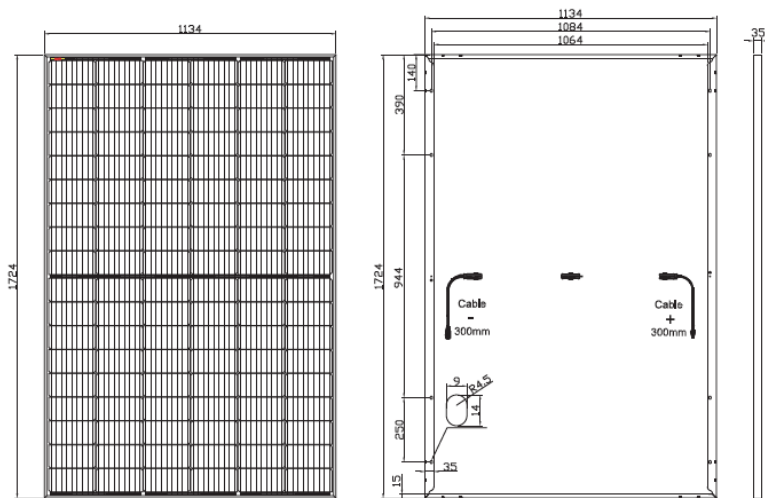
\* NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM 1.5, Wind speed 1 m/s

Module Type	DNE400M10-54H	DNE405M10-54H	DNE410M10-54H	DNE415M10-54H
Peak Power (Pmax)	307.29	311.13	314.97	318.81
Maximum Power Voltage (Vmp)	28.25	28.46	28.66	28.81
Maximum Power Current (Imp)	10.88	10.93	10.99	11.07
Open Circuit Voltage (Voc)	34.25	34.46	34.69	34.87
Short Circuit Current (Isc)	11.64	11.70	11.76	11.84

## Temperature & Maximum rating

Temperature Coefficients Isc (A/°C)	+0.046%/°C
Temperature Coefficients Voc (V/°C)	-0.266%/°C
Temperature Coefficients Pmax (W/°C)	-0.354%/°C
NOCT (°C)	45±2°C
Operating and Storage Temperature (°C)	-40°C ~ +85°C
Maximum System Voltage (V)	1500V
Maximum Series Fuse Rating (A)	25A
Max Wind Load/Snow Load	2400Pa/5400Pa
Application Class	A

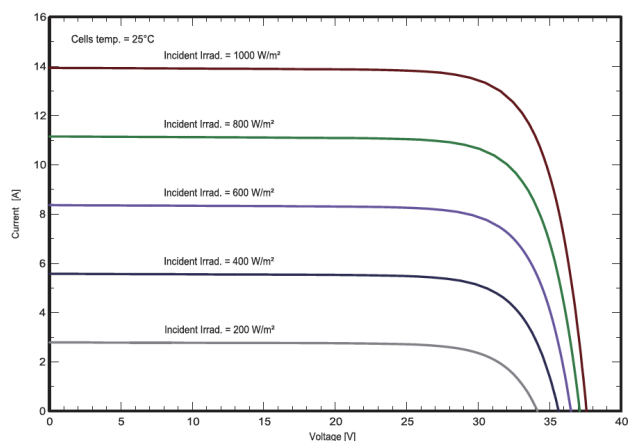
## PV Drawing



## Mechanical Characteristics

Cell type	182*91 Mono
Cells Number	108 (12*9)
Dimensions	1724*1134*35mm
Weight	21.50kgs
Front Glass	3.2mm high transmission, tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67/IP68, 3 bypass diodes
Output Cables	4mm <sup>2</sup> , 300mm in length each
Connector	compatible with MC4 plug

## IV Curve



## Packing information

20FT Container	186PCS/6Pallets
40HQ Container	806PCS/26Pallets