



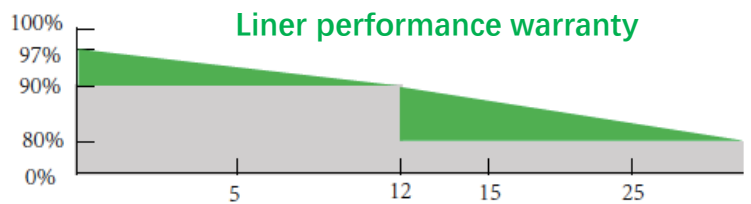
DNE540-555M10-72H

**12
Years**

12 Years quality assurance of materials and craftsmanship

**25
Years**

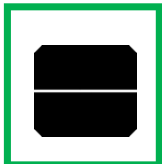
25 Years 80% output power guarantee



Qualifications and Certificates

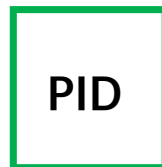


Key Features



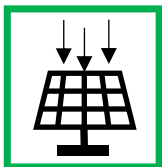
High Efficiency Solar Module

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/m², Module Temperature 25°C, AM 1.5

Module Type	DNE540M10-72H	DNE545M10-72H	DNE550M10-72H.	DNE555M10-72H
Peak Power (Pmax)	540	545	410	415
Maximum Power Voltage (Vmp)	41.7	41.92	42.11	42.31
Maximum Power Current (Imp)	12.95	13.00	13.06	13.12
Open Circuit Voltage (Voc)	49.95	50.04	50.28	50.53
Short Circuit Current (Isc)	13.74	13.80	13.86	13.93
Module Efficiency (%)	20.89	21.09	21.28	21.47
Maximum Power Tolerance	0-5W	0-5W	0-5W	0-5W

Electrical Data (NOCT)

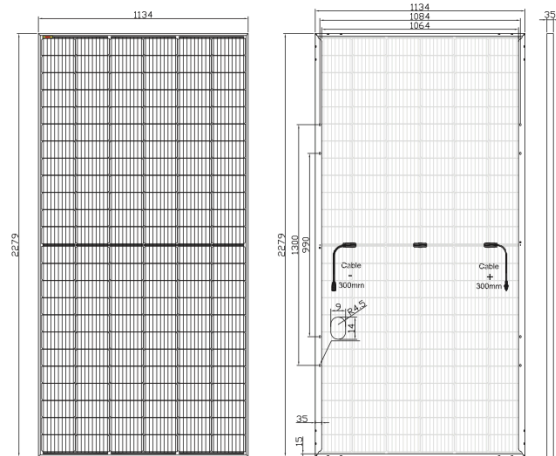
* NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind speed 1 m/s

Module Type	DNE540M10-72H	DNE545M10-72H	DNE550M10-72H	DNE555M10-72H
Peak Power (Pmax)	414.85	418.69	422.53	426.3
Maximum Power Voltage (Vmp)	38.01	38.21	38.39	38.57
Maximum Power Current (Imp)	10.91	10.96	11.01	11.06
Open Circuit Voltage (Voc)	46.12	46.20	46.42	46.65
Short Circuit Current (Isc)	11.68	11.73	11.78	11.83

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

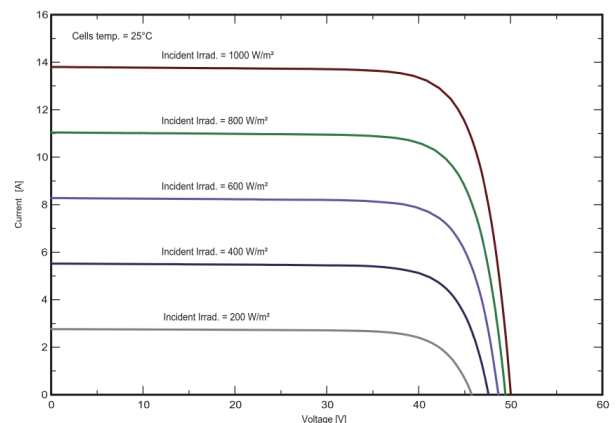
PV Drawing



Mechanical Characteristics

Cell type	182*91 Mono
Cells Number	144 (12*12)
Dimensions	2279*1134*35mm
Weight	28.50kgs
Front Glass	3.2mm high transmission, tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67/IP68, 3 bypass diodes
Output Cables	4mm ² , 300mm in length each
Connector	compatible with MC4 plug

IV Curve



Packing information

20FT Container	155PCS/5Pallets
40HQ Container	620PCS/20Pallets