

SNE Photovoltaic Modules

M5-48 Series 120W-145W



120W
145W

POWER RANGE
Plus-Sorting 0 ~ + 4,99Wp

PID
FREE

PID RESISTANT
Potential induced degradation free

SALT MIST
CORROSION
RESISTANT

SALT MIST CORROSION RESISTANT
Certified for salt rich environment

SAND
RESISTANT

SAND RESISTANT
Certified for sand rich environment

NH₃
RESISTANT

AMMONIA RESISTANT
Certified for ammonia rich environment

550
kg/m²

HIGH STRENGTHENED DESIGN
Maximum mechanical load 5400 Pa

IP67

IP67 JUNCTION BOX
Advanced water and dust proof level



HIGH QUALITY

Our solar photovoltaic modules are characterized by high-quality materials, best workmanship, first class development and management.



LINEAR PERFORMANCE GUARANTEE

With the linear performance guarantee of 30 years and a product warranty of 12 years, SNE guarantees highest investment security and warranty claims.



PLUS-SORTING

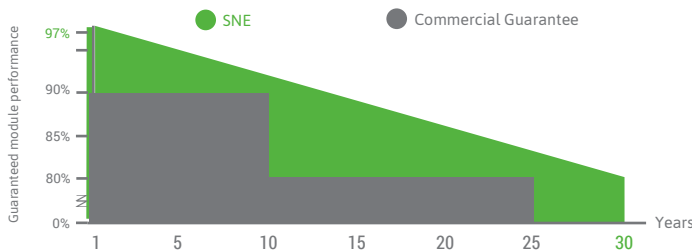
Higher yield due to plus-sorting of 0 to +4.99 Wp guarantees the highest system efficiency and yield stability.



CERTIFICATES

Our solar photovoltaic modules are not only in line with international standards, but also tested and certified under extreme stress and any environmental influences.

OUR PERFORMANCE GUARANTEE



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



Solare New Energy
Technology Co., Ltd.

Tel.: +86 139 2199 5698
Fax: +86 512 5851 6227

E-Mail: info@solarepv.com
Web : www.solarepv.com

ELECTRICAL DATA		SNE120M5-48	SNE125M5-48	SNE130M5-48	SNE135M5-48	SNE140M5-48	SNE145M5-48
Nominal power	Pm (Wp)	120	125	130	135	140	145
Open circuit voltage	Voc (V)	28.21	29.29	30.20	30.53	30.62	31.77
Short-circuit current	Isc (A)	5.71	5.76	5.81	5.86	5.89	5.90
Voltage at max power	Vmp (V)	24.15	24.73	25.01	25.58	25.79	25.87
Current at max power	Imp (A)	4.97	5.06	5.20	5.28	5.43	5.63
Module efficiency	(%)	13.88	14.46	15.04	15.61	16.19	16.77
Cells efficiency	(%)	16.31	16.99	17.67	18.35	19.03	19.71
System Voltage	(V)	1000					
Temp. coefficient Voc	(% / °C)	-0.36					
Temp. coefficient Isc	(% / °C)	0.06					
Temp. coefficient Pm	(% / °C)	-0.36					
Operating temp.	(°C)	-40 bis +85					
NOCT	(°C)	45±2					

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

TECHNICAL DATA

Junction box	3 bypass diodes, IP67
Wire cross section (Ø, mm ²)	4.0
Cable lenght (mm)	900
Connector type	MC4/MC4 compatible
Dimensions (L x W x H, mm)	1070 x 808 x 35
Weight (kg)	7.58
Cell dimensions (mm)	125 x 125
No of cells / assembly	48 / 6 x 8
Type of cells	mono-crystalline
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400Pa / 244kg / m ²
Mechanical load	5400Pa / 550kg / m ²

SCALE

