



DXM8-54H 400-415Wp

M8 Hi-Eff Mono Half Cells

400Wp - 415Wp

RANGE POWER

0/+5W | 21,3%

POSITIVE TOLERANCE | EFFICIENCY

✓ **12 YEARS**
MANUFACTURER'S GUARANTEE

✓ **30 YEARS**
PRODUCTION GUARANTEE



50 years company reliable and with long experience in the production of photovoltaic modules and thousands of projects developed all over the world.



10BB technology decreases the distance between main bus bars and finger grid lines which reduces electric current loss and benefit to power increase.



Superior design: module efficiency is up to 21.25% with white EVA (the maximum output power of 108pcs series is up to 415W) The power tolerance of module is 0/+5W.



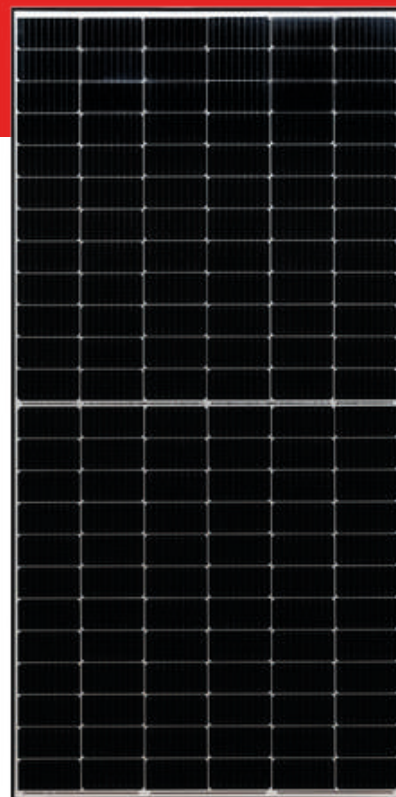
10BB technology adopts a special round welding ribbon which effectively avoid solar cells cracks and micro cracks.



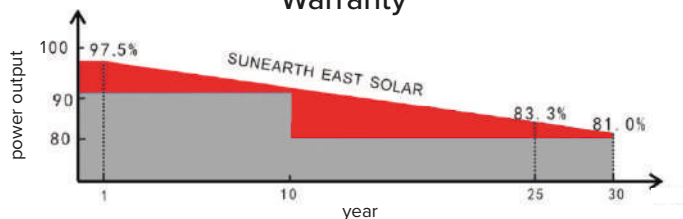
Mechanical Load
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE (Potential Induced Degradation)



Warranty



Crystalline Silicon PV Modules Type Testing

IEC 61215 1,1-1,2 -- IEC 61730 1,2
IEC TS 62804 Anti PID
IEC 61701 Salt Mist Resistance
IEC 62716 Ammonia Resistance
Fire Reaction CLASS 1 (UNI 9177 Italy)
ISO 9001 -- ISO 14001 -- OHSAS 45001
Factory Inspection CIG 021-024
www.dekra-seal.com



SPECIFICATIONS

	STC				NOCT			
Rated Power (P _{max}):	400W	405W	410W	415W	400W	405W	410W	415W
Maximum Power (P _{max}):	400W	405W	410W	415W	302.59W	306.38W	310.16W	313.94W
Rated Voltage at P _{max} (V _{mp}):	31.1V	31.2V	31.3V	31.4V	28.69V	28.81V	28.88V	28.97V
Rated Current at P _{max} (I _{mp}):	12.86A	12.97A	13.10A	13.22A	10.54A	10.63A	10.74A	10.83A
Open-circuit Voltage (V _{oc}):	37.2V	37.3V	37.4V	37.5V	34.79V	34.85V	34.98V	35.07V
Short-circuit Current (I _{sc}):	13.78A	13.85A	13.92A	13.99A	11.21A	11.26A	11.32A	11.38A
Module Efficiency (n _m):	20.5%	20.7%	21.0%	21.3%				
Maximum System Voltage:	1500VDC							
Application Class:	Class A							
Fire Resistance Class:	Class C - (Class 1 Italy)							
Maximum Over-Current Rating:	20A							
Operating Temperature:	85% Rh, -40°C~+85°C							
Maximum Snow Loads (front):	5400Pa							
Maximum Wind Loads (front & back):	2400Pa							
Maximum Hailstone Impact (diameter @ 23m/s):	25mm							

CONSTRUCTION CHARACTERISTICS

Front Cover:	low-iron tempered glass/3.2mm anti reflection coating
Cell:	108 pcs mono-crystalline 182×91 mm
Anodized aluminum alloy Frame:	silver black
Junction Box (protection degree):	IP68
Cable (length/cross-sectional area):	(+) : 1000mm (-) : 1000mm or Customized Length/4mm
Connector (protection degree):	IP68
Module Dimension (L*W*H):	1722×1134×30mm
Weight:	21.0±3% kg

THERMAL CHARACTERISTICS

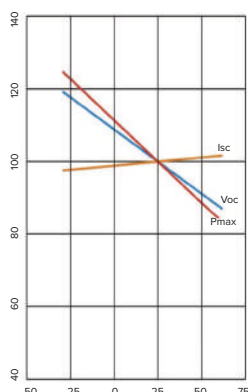
Nominal Operating Cell Temperature (NOCT):	45±2°C
Temperature Coefficient of P _{max} (γ P _{mp}):	-0.35%/°C
Temperature Coefficient of V _{oc} (β V _{oc}):	-0.275%/°C
Temperature Coefficient of I _{sc} (α I _{sc}):	+0.045%/°C
STC:	☀ 1000W/m ² * 25°C 1.5
NOCT:	☀ 800W/m ² * 20°C 1.5

PACKAGING CONFIGURATION

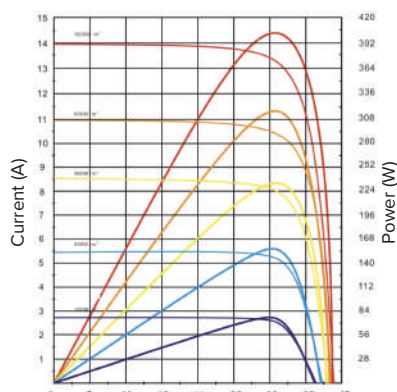
Box	36 pcs
Box size -- weight	180x110x130(h) cm -- 775 Kg
Loading [cnt 40HQ]	936 pcs -- 26 box -- 20.150 Kg

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Temperature Dependence of
I_{sc}, V_{oc}, P_{max}



IV (415W)



DIMENSIONS (TOLERANCE+2MM)

