


# DHN-60X16(BB) 475~495W

High Efficiency Single Glass PV Module

## Comprehensive Products & System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO  
ISO 45001  
2018/International standards for occupational health & safety  
ISO 14001  
2015/Standards for environmental management system  
ISO 9001  
2015/Quality management system

 Material & technology warranty

 Linear power output warranty



Higher power, longer service life, linear power warranty for 30 years



TOPCon cells have a lower decay rate,  
 $\leq 1\%$  in the first year and  $\leq 0.4\%$  in the second year



Lower temperature coefficient,  
better high-temperature resistance, reduced power loss



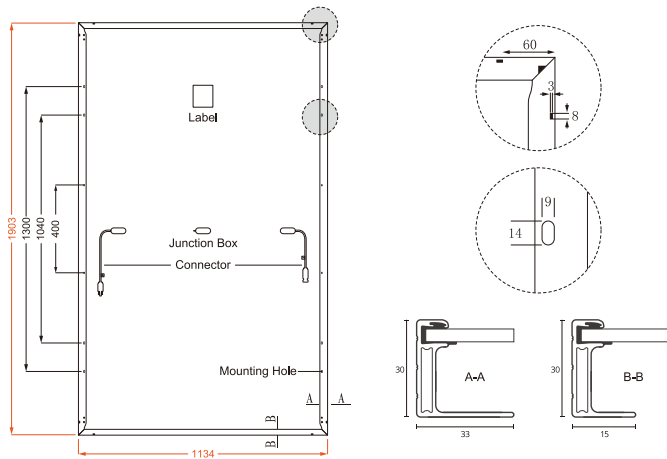
Better weak light performance, higher power generation under  
low light conditions, with 0.5% -1% more power generation



LECO laser assisted sintering technology,  
reduces contact resistance and improves efficiency by 0.2% -0.5%

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## Design



## 30-Year Linear Power Output Warranty



- DAH Solar linear power output guarantee
- Standard linear power output guarantee

## Mechanical Specification

No. of Cells	120 (6×20)
Weight	22.8kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×30mm
Packing	36pcs/Pallet, 864pcs/40HQ

Cable(Including connector)	4.0mm <sup>2</sup> , 300/200mm in length, length can be customized
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

## STC-Electrical Characteristics

Module Type	DHN-60X16(BB)				
	475	480	485	490	495
Maximum Power (Pmax/W)	475	480	485	490	495
Open-circuit Voltage (Voc/V)	42.6	42.8	43.0	43.2	43.4
Maximum Power Voltage (Vmp/V)	36.2	36.4	36.6	36.8	37.0
Short-circuit Current (Isc/A)	13.96	14.02	14.08	14.14	14.20
Maximum Power Current (Imp/A)	13.12	13.19	13.25	13.32	13.38
Module Efficiency (%)	22.01	22.24	22.47	22.71	22.94

STC-Standard Test Environment: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	357	361	365	368	372
Open-circuit Voltage (Voc/V)	40.47	40.66	40.85	41.04	41.23
Maximum Power Voltage (Vmp/V)	34.39	34.58	34.77	34.96	35.15
Short-circuit Current (Isc/A)	11.27	11.32	11.37	11.42	11.46
Maximum Power Current (Imp/A)	10.39	10.44	10.49	10.54	10.59

NOCT-Standard Test Environment: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

## Temperature Coefficient

Temperature Coefficient of Isc (αIsc)	0.046%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa