

# DHN-60X16(BW)


# 475~490W

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, and better high-temperature resistance



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

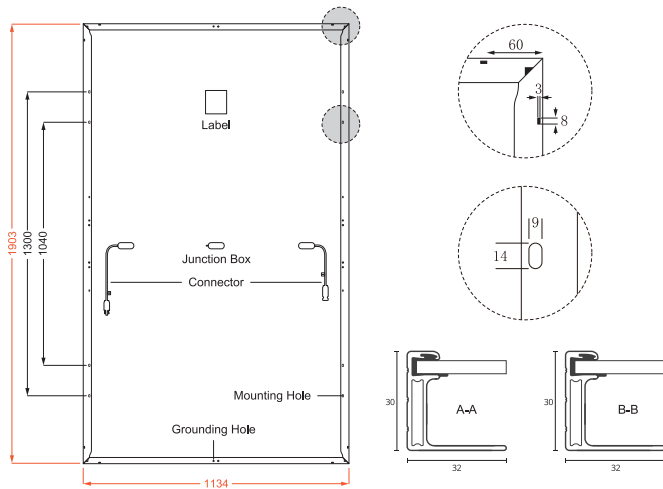


LECO laser assisted sintering technology,  
reduces contact resistance and improves efficiency by 0.2% -0.5%

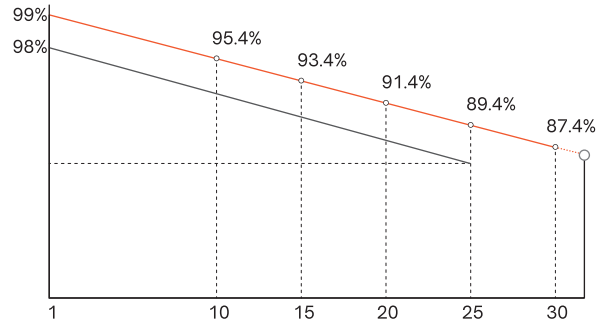


# DHN-60X16(BW) 475~490W

## 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	4.0mm <sup>2</sup> , 300/200mm in length, (Including connector) 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(BW)			
	475	480	485	490
Maximum Power (P <sub>max</sub> /W)	475	480	485	490
Open-circuit Voltage (V <sub>oc</sub> /V)	42.6	42.8	43.0	43.2
Maximum Power Voltage (V <sub>mp</sub> /V)	36.2	36.4	36.6	36.8
Short-circuit Current (I <sub>sc</sub> /A)	13.96	14.02	14.08	14.14
Maximum Power Current (I <sub>mp</sub> /A)	13.12	13.19	13.25	13.32
Module Efficiency (%)	22.01	22.24	22.47	22.71

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

## NOCT-Electrical Characteristics

Maximum Power (P <sub>max</sub> /W)	357	361	365	368
Open-circuit Voltage (V <sub>oc</sub> /V)	40.47	40.66	40.85	41.04
Maximum Power Voltage (V <sub>mp</sub> /V)	34.39	34.58	34.77	34.96
Short-circuit Current (I <sub>sc</sub> /A)	11.27	11.32	11.37	11.42
Maximum Power Current (I <sub>mp</sub> /A)	10.39	10.44	10.49	10.54

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 I <sub>sc</sub> (ΔI <sub>sc</sub> )	0.046%/°C
Temperature Coefficient of V <sub>oc</sub> (ΔV <sub>oc</sub> )	-0.25%/°C
Temperature Coefficient of P <sub>max</sub> (ΔP <sub>mp</sub> )	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa