

DHN-60X16 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

 25 Material & technology warranty

 30 Linear power output warranty



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



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



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



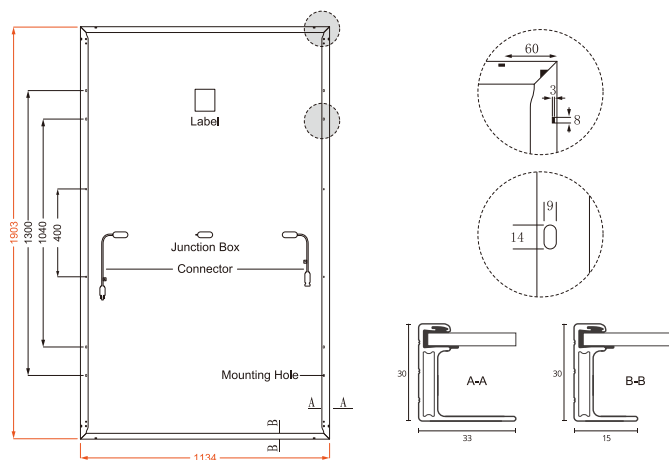
Better weak light performance, higher power generation under
low light conditions, with 0.5% -1% more power generation



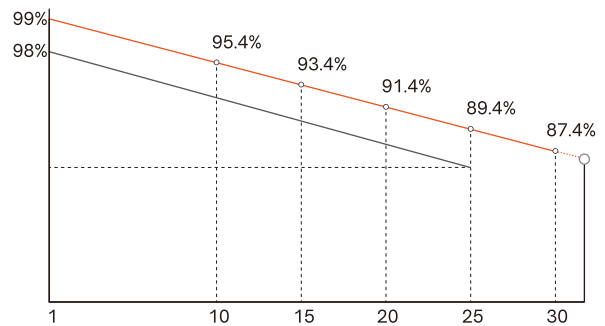
LECO laser assisted sintering technology,
reduces contact resistance and improves efficiency by 0.2% -0.5%

DHN-60X16 475~495W

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 ² , 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				
Maximum Power (P _{max} /W)	475	480	485	490	495
Open-circuit Voltage (V _{oc} /V)	42.6	42.8	43.0	43.2	43.4
Maximum Power Voltage (V _{mp} /V)	36.2	36.4	36.6	36.8	37.0
Short-circuit Current (I _{sc} /A)	13.96	14.02	14.08	14.14	14.20
Maximum Power Current (I _{mp} /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/m², Cell temperature 25°C, Spectrum AM1.5

NOCT-Electrical Characteristics

Maximum Power (P _{max} /W)	357	361	365	368	372
Open-circuit Voltage (V _{oc} /V)	40.47	40.66	40.85	41.04	41.23
Maximum Power Voltage (V _{mp} /V)	34.39	34.58	34.77	34.96	35.15
Short-circuit Current (I _{sc} /A)	11.27	11.32	11.37	11.42	11.46
Maximum Power Current (I _{mp} /A)	10.39	10.44	10.49	10.54	10.59

NOCT-Standard Test Environment: Irradiance 800W/m², 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 _{sc} (α _{Isc})	0.046%/°C
Temperature Coefficient of V _{oc} (β _{Voc})	-0.25%/°C
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa