

DHN-60X16/FS(BB)

470~485W



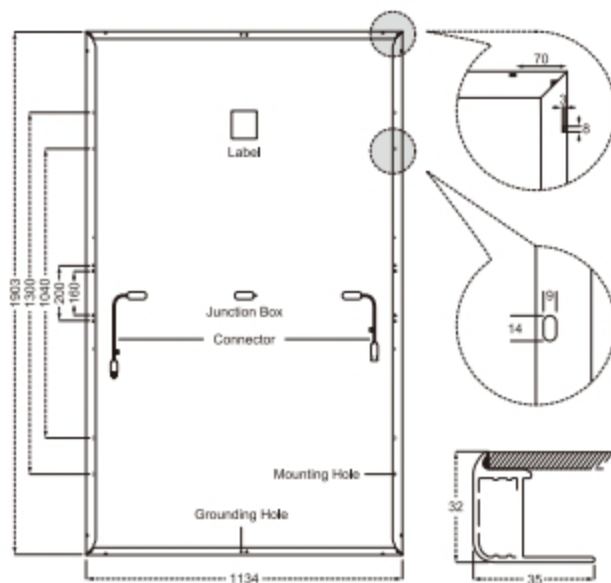
Mechanical Specification

Cable	4.0mm ² , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	120 (6×20)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	23.8kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×32mm
Packing	34pcs/Pallet, 816pcs/40HQ

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 - +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Design



STC — Electrical Characteristics

Module Type	DHN-60X16/FS(BB)			
Maximum Power (P _{max} /W)	470	475	480	485
Open-circuit Voltage (V _{oc} /V)	42.4	42.6	42.8	43.0
Maximum Power Voltage (V _{mp} /V)	36.0	36.2	36.4	36.6
Short-circuit Current (I _{sc} /A)	13.90	13.96	14.02	14.08
Maximum Power Current (I _{mp} /A)	13.06	13.12	13.19	13.25
Module Efficiency (%)	21.78	22.01	22.24	22.47

Power Tolerance: 0~+5W, Temperature Coefficient of I_{sc}: 0.046%/°C, Temperature Coefficient of V_{oc}: -0.25%/°C, Temperature Coefficient of P_{max}: -0.30%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	353	357	361	365
Open-circuit Voltage (V _{oc} /V)	40.3	40.5	40.7	40.9
Maximum Power Voltage (V _{mp} /V)	34.2	34.4	34.6	34.8
Short-circuit Current (I _{sc} /A)	11.22	11.27	11.32	11.37
Maximum Power Current (I _{mp} /A)	10.33	10.39	10.44	10.49

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s