



BR620W#BPVD

Features:

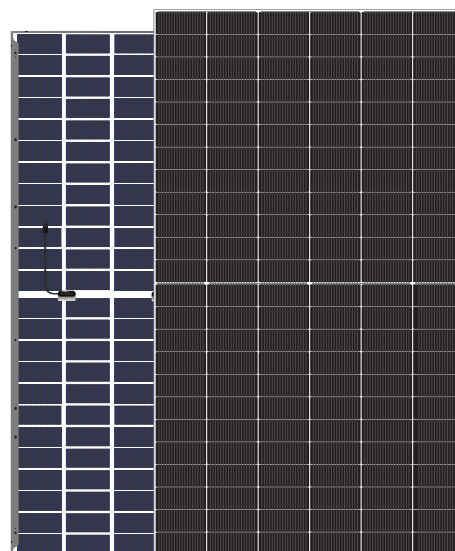
 Rectangular cells (182mm x 191.6mm) with higher power

 TOPCon cells double-sided rate up to 85% and more back power generation by 5-25%

 Double-glass Technology, higher encapsulation blocking and mechanical strength

 Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID

 TOPCon cells, lower attenuation, better temperature coefficient & dim light performance



Mechanical Specification

| | |
|-------------------|---|
| No.of Cells | 144 (6×24) |
| Weight | 33.2kg |
| Cells Type | N-type 182×95.8mm |
| Dimension (L×W×T) | 2382×1134×30mm |
| Packing | 36pcs/Pallet, 720pcs/40HQ |
| Cable | 4.0mm ² , 300/200mm in length, (Including connector) length can be customized |
| Glass | 2.0mm High Transmission, Antireflection Coating |
| Junction Box | IP68, 3 Bypass Diodes |
| Connector | MC4 Compatible |

Electrical Characteristics

| Module Type | BR620W#BPVD | |
|-------------------------------|-------------|-------|
| | STC | NOCT |
| Test conditions | STC | NOCT |
| Maximum Power (Pmax/W) | 620 | 466 |
| Open-circuit Voltage (Voc/V) | 52.8 | 50.2 |
| Maximum Power Voltage (Vmp/V) | 45.0 | 42.8 |
| Short-circuit Current (Isc/A) | 14.84 | 11.98 |
| Maximum Power Current (Imp/A) | 13.78 | 10.91 |
| Module Efficiency (STC) | 22.95% | |
| Refer Bifacial Factor | 80±5% | |

STC-Standard Test Environment: Irradiance 1000W m², Cell temperature 25°C, Spectrum AM1.5
 NOC-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 | 30A |
| Nominal Operating Cell Temperature | 45°C±2°C |
| Application Level | Class A |

BR620W#BPVD

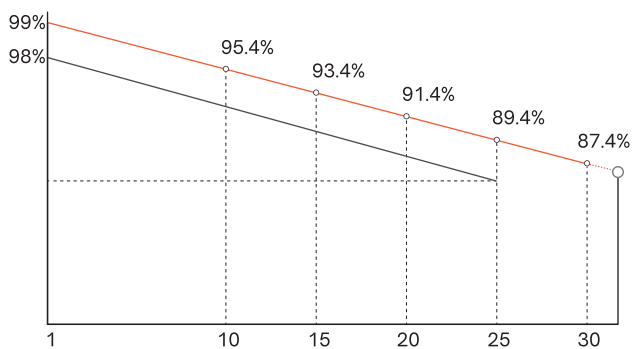
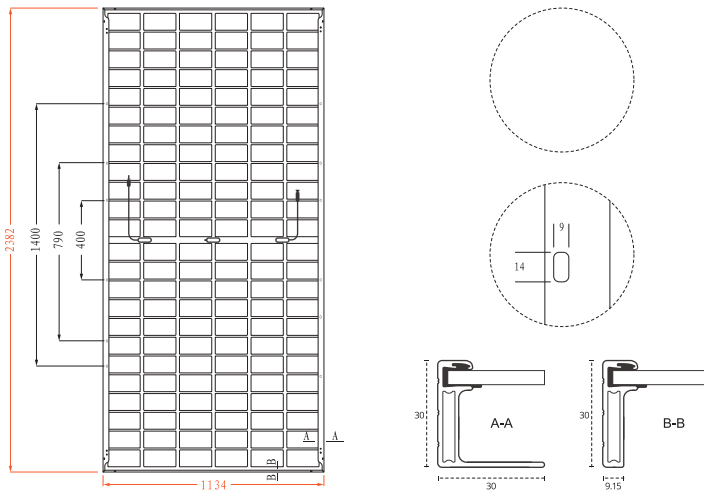
Double-Sided Power Generation Parameters (Rear gain)

| | | |
|-----|-----------------------|-------|
| 5% | Maximum Power (Pmax) | 651 |
| | Module Efficiency (%) | 24.1 |
| 15% | Maximum Power (Pmax) | 713.0 |
| | Module Efficiency (%) | 26.4 |
| 25% | Maximum Power (Pmax) | 775.0 |
| | Module Efficiency (%) | 28.7 |

Temperature Coefficient

| | |
|--|---------------|
| Temperature Coefficient of Isc (α_{Isc}) | 0.046%/°C |
| Temperature Coefficient of Voc (β_{Voc}) | -0.25%/°C |
| Temperature Coefficient of Pmax (γ_{Pmp}) | -0.29%/°C |
| Snow load, frontside / Wind load, backside | 5400Pa/2400Pa |

Design



— Solar linear power output guarantee
 — Standard linear power output guarantee