

# Module Picture



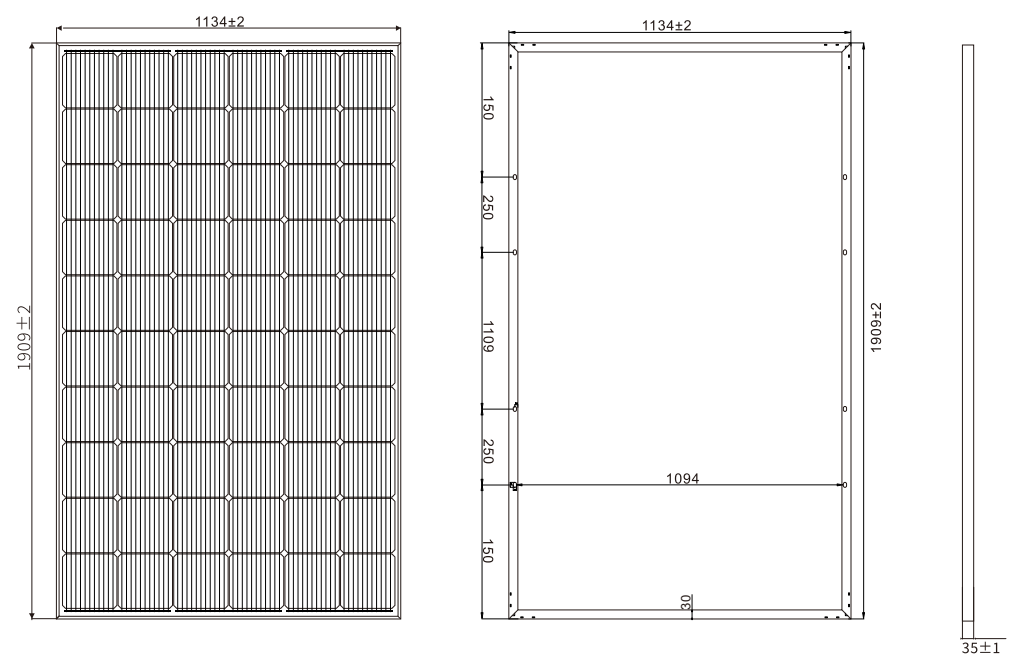
## CBG-60-460MZ

### Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO45001:Environmental management systems
- ISO45001:2018 Occupational health and safety management systems



# Mechanical Diagrams



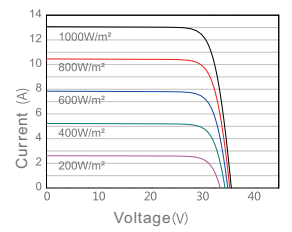
PS: Frame color and cable length can be customized

# Electrical Parameters at (STC)

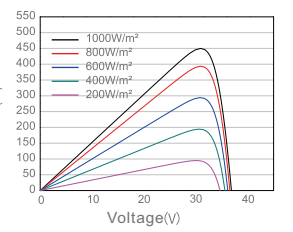
| Module  | Power (W) | Module Efficiency(%) | Voltage at Pmax(Vmp) | Current at Pmax(Imp) | Open Circuit Voltage(Voc) | Short Circuit Current(Isc) | Power Tolerance(w) |
|---------|-----------|----------------------|----------------------|----------------------|---------------------------|----------------------------|--------------------|
| CBG450M | 450W      | 20.80%               | 34.20                | 13.16                | 41.04                     | 13.95                      | ±3%                |

# Characteristics

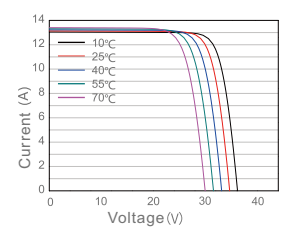
Current Voltage Curve CBG-450M/60



Power Voltage Curve CBG-450M/60



Current Voltage Curve CBG-450M/60



| Mechanical Parameters |                                 |
|-----------------------|---------------------------------|
| Solar Cell(Type/Size) | MONO(182mm)                     |
| Solar Cells Number    | 60Pcs(6x10)                     |
| Dimension             | 1909x1134x35mm                  |
| Weight                | 22.9Kg/Pcs                      |
| Tempered Glass        | 3.2 mm High Permeability Coated |
| Frame                 | Anodized aluminum alloy         |
| Junction Box          | IP67, 3*bypass diode            |
| Cable                 | 4.0mm², (+)1000mm/(-)1000mm     |
| Connector             | Original MC4/Compatible MC4     |
| Mechanical Load       | Front 5400PA/back 2400PA        |

| Packing        |                |
|----------------|----------------|
| Module Type    | CBG-450M-60    |
| Carton Size    | 1930x1160x85mm |
| Number         | 2Pcs/Ctn       |
| Weight         | 46Kg/Ctn       |
| Volume         | 0.190Cbm/Ctn   |
| 20GP Container | 316Pcs         |
| 40HQ Container | 736Pcs         |

STC: ☀️ Light intensity 1000W/m<sup>2</sup> 🔋 Battery temperature: 25°C ☁️ atmosphere quality=15  
 NOCT: ☀️ Light intensity 800W/m<sup>2</sup> 🔋 Battery temperature: 20°C ☁️ atmosphere quality=15 🌪️ wind velocity 1m/s