

Module Picture



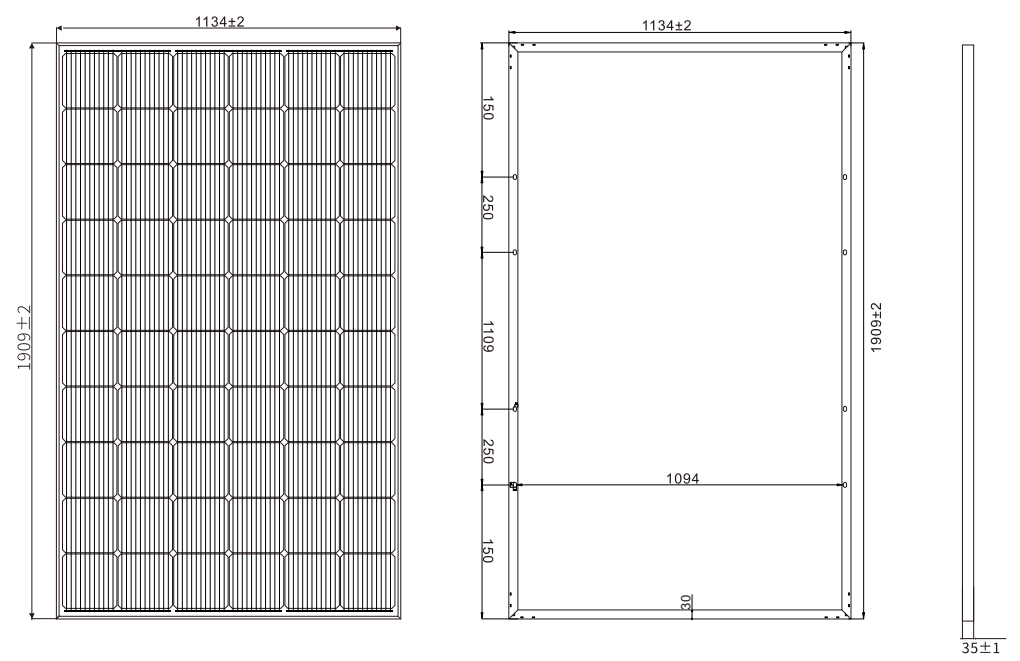
CBG-60-450MZ

Comprehensive Certificates

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



Mechanical Diagrams



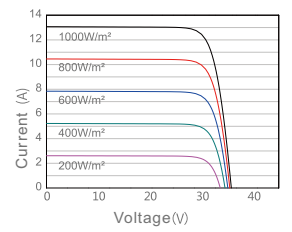
PS: Frame color and cable length can be customized

Electrical Parameters at (STC)

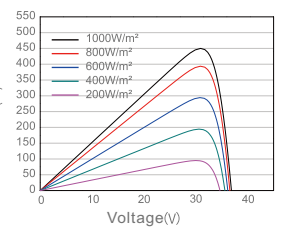
Module	Power (W)	Module Efficiency(%)	Voltage at Pmax(Vmp)	Current at Pmax(Imp)	Open Circuit Voltage(Voc)	Short Circuit Current(Isc)	Power Tolerance(w)
CBG450M	450W	20.80%	34.20	13.16	41.04	13.95	±3%

Characteristics

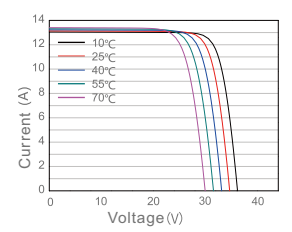
Current Voltage Curve CBG-450M/60



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/m² 🔋 Battery temperature: 25°C ☁️ atmosphere quality=15

NOCT: ☀️ Light intensity 800W/m² 🔋 Battery temperature: 20°C ☁️ atmosphere quality=15 🌪️ wind velocity 1m/s