



GSB MONO SPECIFICATIONS

**440W-144 / 550W-144
655W-132 / 690W-136**

ELECTRICAL DATA	440W	550W	655W
Maximum Power(W)	440	550	655
Optimum Power Voltage(Vmp)	41.08	42.11	37.91
Optimum Operating Current(Imp)	10.71	13.06	17.28
Open Circuit Voltage(Voc)	49.05	50.28	45.87
Short Circuit Current(Isc)	11.64	13.90	18.68
Cell Efficiency	19.78	21.30	21.09
Module Efficiency	0~+5	0~+5	0~+5
Tolerance Wattage	45°C +/-2°C	1500	1500
NOCT	1000 or 1500	45°C +/-2°C	45°C +/-2°C
COMPONENTS & MECHANICAL			
Solar Cell	166*83 Mono	182*91 Mono	210*105 Mono
Number of Cell(pcs)	6*24	6*24	6*22
Size of Module(mm)	2115*1052*35	2279*1134*35	2384*1303*35
Front Glass Thickness(mm)	3.2	3.2	3.2
Surface Maximum Load Capacity	5400Pa	5400Pa	5400Pa
Allowable Hail Load	23m/s ,7.53g	23m/s ,7.53g	23m/s ,7.53g
Weight Per Piece(KG)	25.0	28.5	34
Bypass Diode Rating(A)	Protection class IP67,3 diodes	Protection class IP68,3 diodes	Protection class IP68,3 diodes
Frame(Material Corners, etc.)	300mm/4mm?; MC4 Compatible	300mm/4mm MC4 Compatible	300mm/4mm2MC4 Compatible
Temperature Range	-40°C to +85°C	35#	35#
FF (%)	35#	-40°C to +85°C	-40°C to +85°C
Standard Test Conditions	AM1.5 1000W/m² 25°C	AM1.5 1000W/m² 25°C	AM1.5 1000W/m² 25°C

Engineering Drawings

