

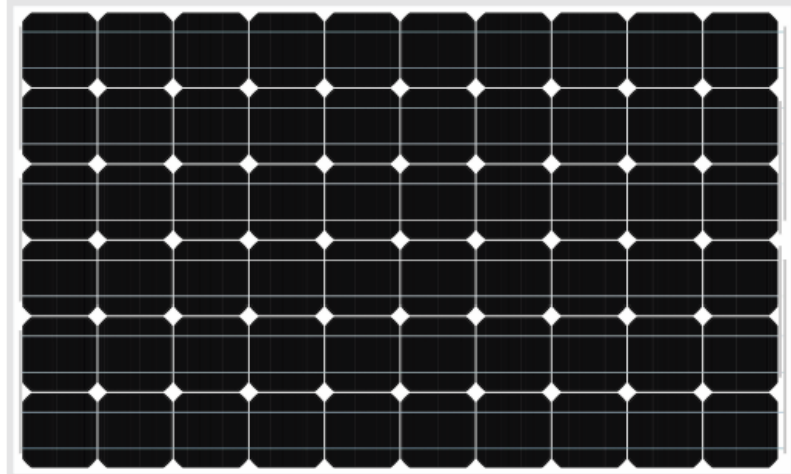


Standard
Module

BIPV

Solar
Car Sunroof

Standard Module



GSS6 Series 6" Cell Module (215, 220, 225, 230, 235, 240 Wp)

Features

- 60 presorted high efficient mono-crystalline silicon solar cells
- Long term stability by quality control and exact tuning of components
- Strict power measurement that minimizes the power tolerance to +/-3%
- Sorting limit of module classification to +/-2.5W

Modules are manufactured in ISO 9001 and 14001 certificated facilities to guarantee prime quality as well as environment-friendly products

IEC certificate

The test sequence of the IEC 61215 and IEC 61730 confirm that Gloria Solar modules are capable of withstanding the artificial loads of the materials as well as safety qualification. It provides reliable performance and safety for entire range of Gloria Solar modules

REACH certificate

REACH Regulation (EC) No 1907/2006:

Article 7 - Registration and notification of substances in articles

Article 33 - Duty to communicate information on substances in articles

Dimensions

Length * Width (mm)	1652*992
Thickness (mm)	50
Weight (kg)	22



Standard Module

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GSS6 Series 6" Cell Modules

Electrical characteristics under standard test condition (STC) ¹

		GSS6-215D-E1	GSS6-220D-E1	GSS6-225D-E1
Typical power (P _{max}) ²	W	215	220	225
Voltage at typical power (V _{mp})	V	27.40	27.80	28.30
Current at typical power (I _{mp})	A	7.86	7.9	7.94
Open circuit voltage (V _{oc})	V	36.20	36.43	36.60
Short circuit current (I _{sc})	A	7.85	7.89	7.99
Module Efficiency	%	13.12	13.42	13.73

Electrical characteristics under standard test condition (STC) ¹

		GSS6-230D-E1	GSS6-235D-E1	GSS6-240D-E1
Typical power (P _{max}) ²	W	230	235	240
Voltage at typical power (V _{mp})	V	28.80	29.30	29.80
Current at typical power (I _{mp})	A	7.98	8.02	8.06
Open circuit voltage (V _{oc})	V	36.70	36.80	37.10
Short circuit current (I _{sc})	A	8.06	8.18	8.29
Module Efficiency	%	14.03	14.34	14.65

1. STC : AM1.5G, 1000W /m², cell temperature of 25 °C .

2. Power tolerance at maximum power under STC condition = ±3%

Temperature coefficient

Temperature coefficient current	α Ts(I _{sc})	0.0254%/K
Temperature coefficient voltage	β Tc(V _{oc})	-0.3003%/K
Peak power temperature coefficient	γ Tc(P _{max})	-0.4147%/K

Performance at low irradiance

** Module efficiency at 200 W/m², 25C is lower than that at STC by approximately 6.3% (relative)

System Integration

** Maximum system voltage= 1000 V

** Fuse rating : 15 A

