

Full Square Series



Features Performance and Quality

- Best solution for 255W modules made of 60 cells.
- Extremely dark after lamination, best fit for Black module residential rooftop PV system.
- All products passed in-line optical inspection.
- 100% inspected for shunt resistance and reverse current.
- Standard cells calibrated by Fraunhofer ISE.
- Regularly monitor product performance and soldering properties.
- Excellent mechanical performance proven by all customers.
- Least power deviation of modules ensured by precise matching of cells, sorted 100% in narrow current classes at constant test voltage.
- All products conform to the regulation of RoHS.

GIN156S3 6" Monocrystalline Silicon Solar Cell

Physical Characteristics

Dimensions	156mm × 156mm ± 0.5mm	Thickness (Si)	200µm ± 30µm
Front	Alkaline textured surface with SiNx anti-reflecting coating Color : Blue & Dark Blue 3 bus-bars in 1.5mm ± 0.1mm width Distance between bus-bars : 52mm Negative pole [−]	Back	Aluminum back surface field 3 bus-bars in 3.0mm ± 0.1mm width Bus-bar length : 136mm Distance between bus-bars : 52mm Positive pole [+]

Power Classes

Code		18.60	18.40	18.20	18.00	17.80	17.60	17.40
Average Power	[W]	4.53	4.48	4.43	4.38	4.33	4.28	4.23
Short Circuit Current	Isc [A]	9.20	9.15	9.05	8.98	8.90	8.85	8.83
Open Circuit Voltage	Voc [mV]	628	627	627	625	623	621	618
Current at 0.5 V	[A]	8.84	8.79	8.70	8.64	8.56	8.46	8.35
Maximum Power Current	Impp [A]	8.52	8.51	8.47	8.40	8.33	8.23	8.16
Maximum Power Voltage	Vmpp [mV]	532	528	524	522	520	520	519
Fill Factor	[%]	78.42	78.15	78.16	78.12	78.18	77.86	77.58
Temperature coefficients	Isc : 0.043% / °C Voc : -0.330% / °C FF : -0.107% / °C Power : -0.406% / °C							

