

6" Mono-Crystalline Silicon Solar Cell



"Model B"

☀ PHYSICAL CHARACTERISTICS

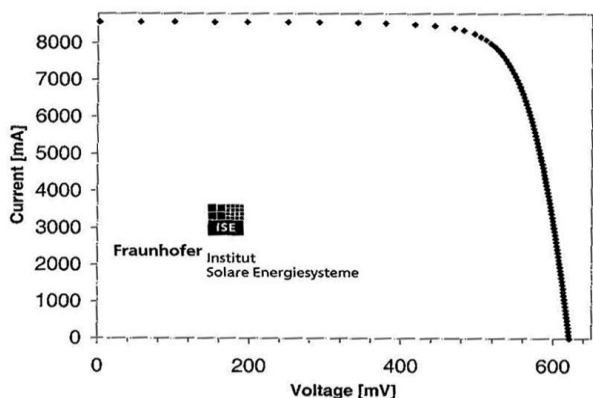
Product : Mono-Crystalline silicon solar cell
 Dimension : 156 mm. x 156 mm. ± 0.5 mm Diagonal length 200 ± 5 mm.
 Thickness (Si) : 220 μm. ± 30 μm. Silicon nitride anti-reflection coating
 Front Side : 1.5 - 2.0 mm. silver busbar Full surface aluminum back surface field
 Back Side : 4.0 mm. (silver/aluminum) continuous soldering pads 78 mm. distance between busbars

☀ ELECTRICAL CHARACTERISTICS UNDER STANDARD TESTING CONDITIONS (STC)

Model Code::	ES6001B	ES6002B	ES6003B	ES6004B	ES6005B	ES6006B
Color ::	Blue/Dark Blue					
Visual ::	2					
Efficiency Class ::	16.2-16.5	16.5-16.8	16.8-17.0	17.0-17.2	17.2-17.4	>17.4
Av. Eff [%]	16.35	16.65	16.90	17.10	17.30	17.50
Power [W]	3.91	3.98	4.04	4.09	4.14	4.19
J _{sc} [mA/cm ²]	35.52	35.73	35.98	36.11	36.31	36.48
I _{sc} [A]	8.50	8.55	8.61	8.64	8.69	8.73
V _{oc} [mV]	612	614	615	618	619	620
I _{mpp} [A]	7.66	7.77	7.85	7.93	8.01	8.08
V _{mpp} [mV]	511	513	515	516	517	518
FF [%]	75.21	75.90	76.37	76.64	76.96	77.37

STC: 1000W/m², AM1.5, 25°C (combination of electrical parameters depend on used wafer material)

☀ I-V CURVE



☀ TYPICAL TEMPERATURE COEFFICIENTS

Power : -0.43 %/K
 Current: +2.00 mA/K
 Voltage: -3.20 mV/K

☀ PACKAGING (1,000 PIECES/box)

100 pieces with safety foam are shrink-wrapped in one pack, 10 packs are filled in a protecting box

☀ FRONT AND BACK SIDE IMAGE

