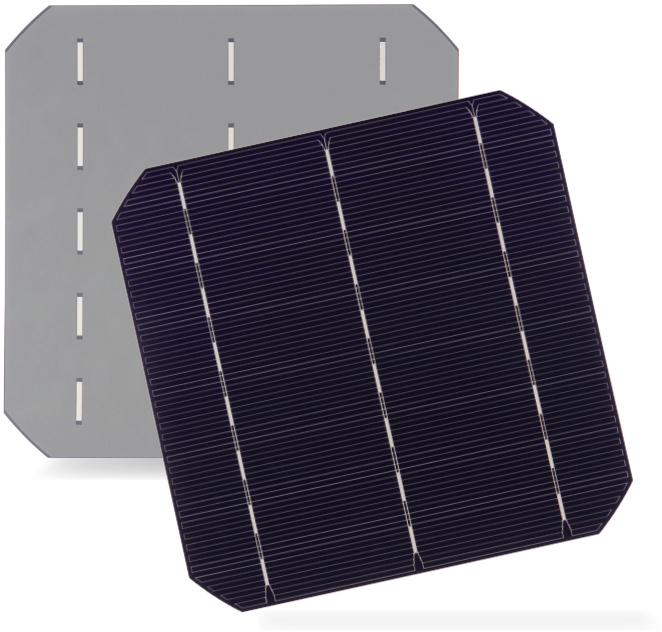
E&R Solar

Anti-PID
MONO CRYSTALLINE SOLAR CELL



Industry Leading and Competitive Solar Cell Technology

SSBAT4

- PID-Resistance performance
  *All product with PID-FREE
- Industry's highest level of conversion efficiency
- Solderability optimization with module process line
- Minimum power loss rate

Physical Characteristics

Dimensions	156×156±0.5mm Pseudo-square
Thickness	200± 30㎛
Front	SiNx Anti-Reflection Coating Color : Dark Blue/Blue/Light Blue 3 Busbars with 1.2mm width Distance Between Busbars : 52mm
Back	Aluminum Back Surface Field
Crystal type	MONO

Temperature Coefficient

Temperature Coefficient	Current	Voltage	Power
	α(Isc)	β(Voc)	γ(Pm)
%/℃	+0.0438	-0.3307	-0.4217
Absolute Unit	+0.0038 A/℃	-0.002 V/℃	-0.0175 W/℃

*STC(Standard Test Condition) : 1000W/m^2, AM 1.5, 25˚C

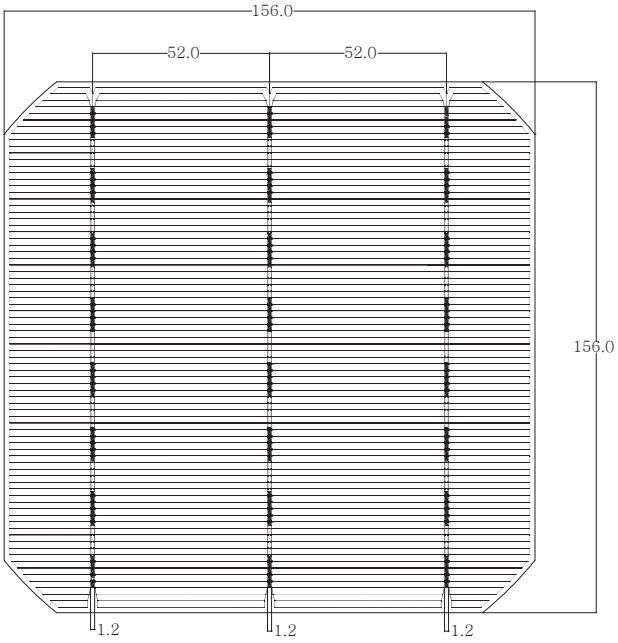
Electrical Characteristics

Effciency Range (%)	Pm(W)	Voc(V)	Vpm(V)	Isc(A)	Ipm(A)	Fill Factor(%)
19.40~	4.64~	0.639	0.553	8.95	8.40	81.11
19.30~19.40	4.61~4.64	0.638	0.550	8.94	8.39	80.94
19.20~19.30	4.59~4.61	0.637	0.549	8.93	8.38	80.77
19.10~19.20	4.56~4.59	0.637	0.547	8.92	8.36	80.59
19.00~19.10	4.54~4.56	0.636	0.546	8.91	8.35	80.40
18.90~19.00	4.52~4.54	0.635	0.544	8.89	8.33	80.22
18.80~18.90	4.49~4.52	0.635	0.543	8.88	8.30	79.99

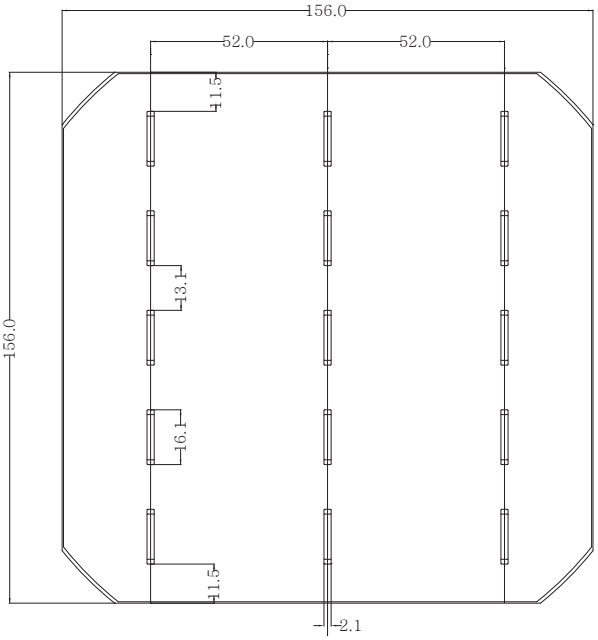
E&R Solar

Anti-PID
MONO CRYSTALLINE SOLAR CELL
SSBAT4

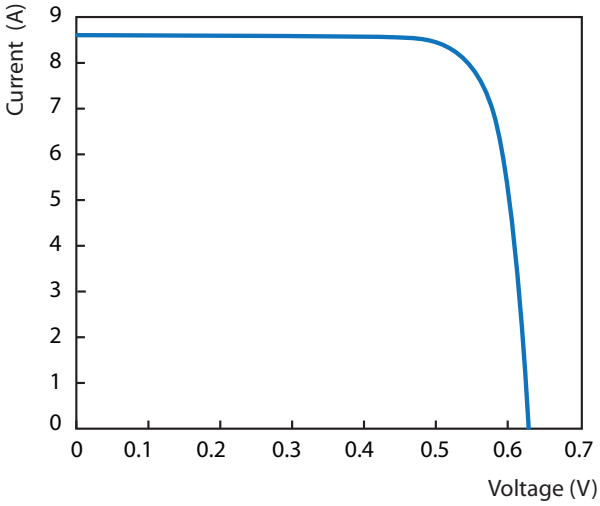
Front



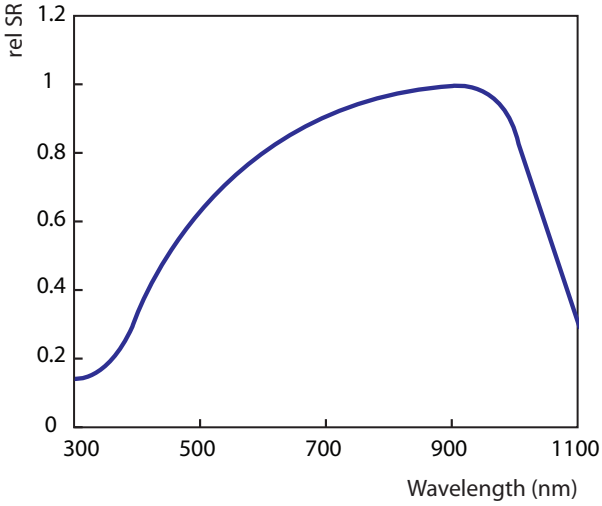
Back



I-V Curve



Spectral Response



* Specification subject to technical change without prior notice. E&R Solar reserves the rights of final interpretation.

E&R Solar
www.enrsolar.com E&Rsolar@enrsolar.com
Gumi Plant(HQ) 78-120, Cheomdangieop5-ro, Sandong-myeon, Gumi-si, Gyeongsangbuk-do, 730-853, Republic of Korea Tel. +82-54-712-0700
Seoul Office(Sales) 98 Huam-ro(Namdaemunno 5-ga), Jung-gu, Seoul 100-958, Republic of Korea Tel. +82-2-6960-4353