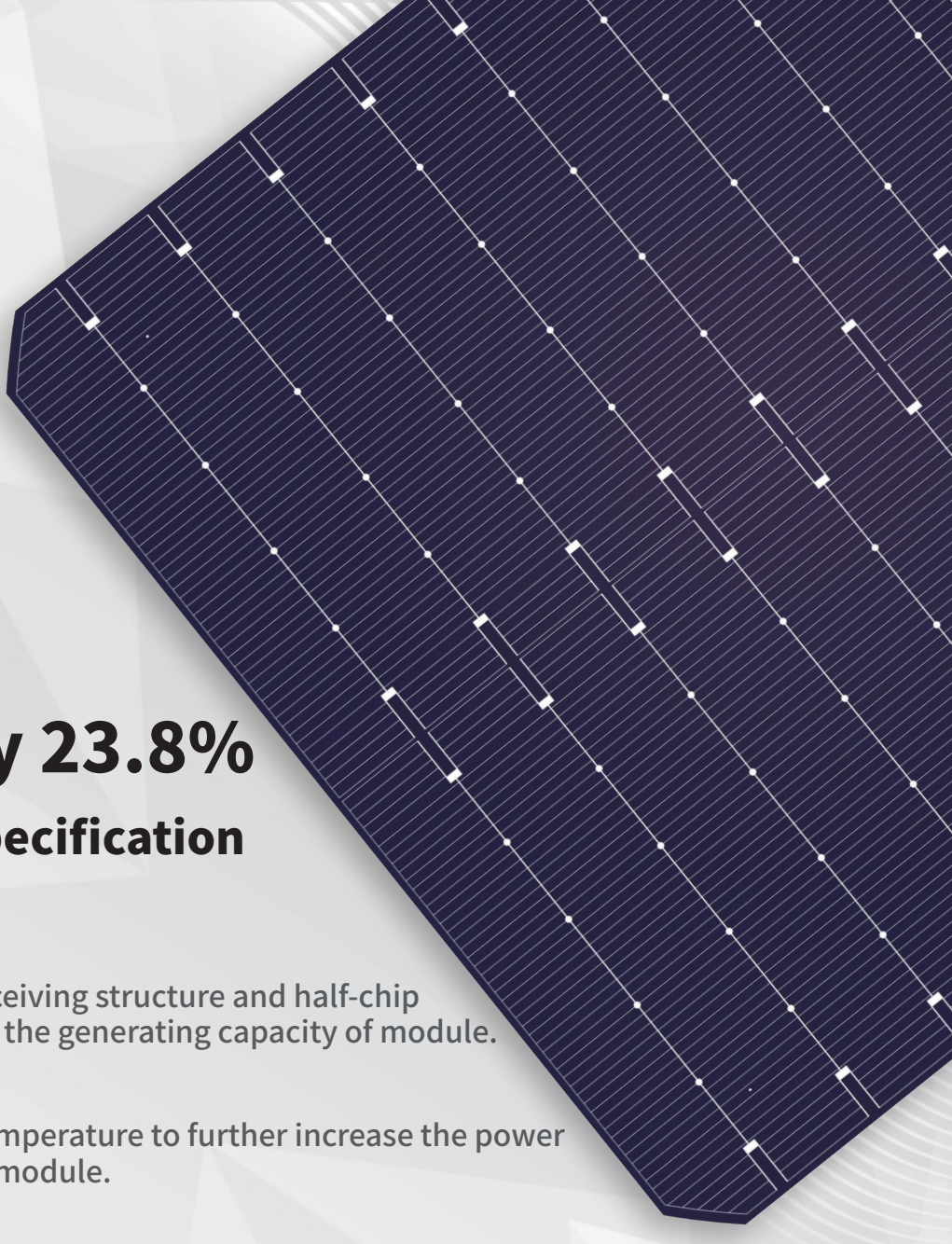
RUNDA SOLAR



M6-9BB

P-type
Bifacial-PERC
Max Efficiency 23.8%

Silicon Solar Cells Specification

The unique bifacial light receiving structure and half-chip design effectively improves the generating capacity of module.

Lower module operating temperature to further increase the power generation and life span of module.

Rigorous grading standards effectively reduce the power loss in the module package.

Unique finger design, greatly improving the conversion efficiency of the solar cell.

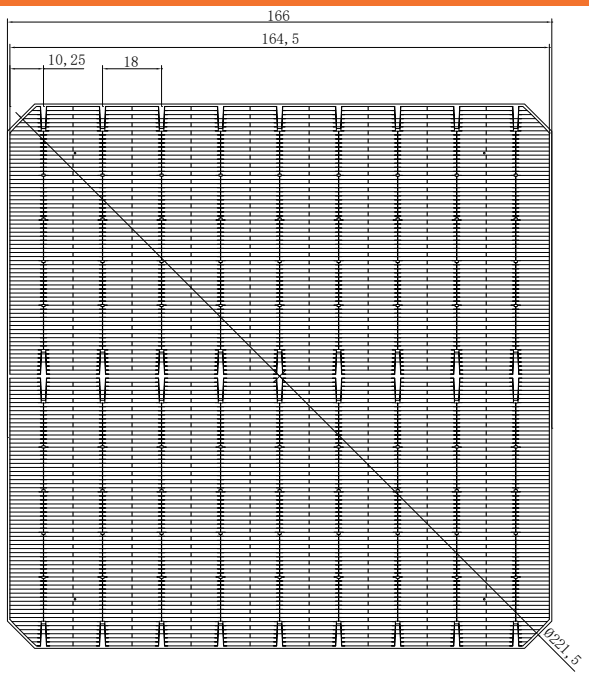
Strict appearance standards improve the passing rate of module production.

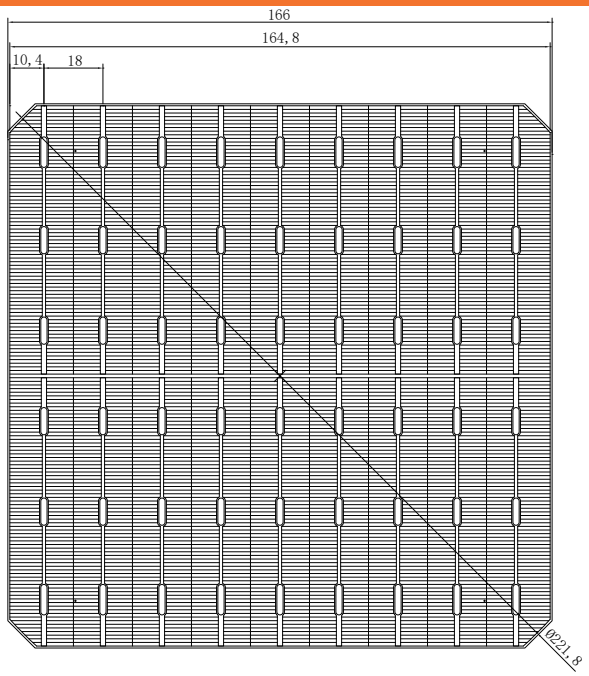
Strict pulling force test, to ensure a good weld ability.

Excellent anti-PID performance to ensure the stability of the module power.

Tel: +86-0510-83801000 Fax: +86-0510-83802000
Web: www.rundapv.com E-mail: sales@rundapv.com
Add: Yanxiang Road 108, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, P.R.China

Front and back of cell design drawing





Mechanical Characteristics

Product	RunDa P-type Bifacial-PERC M6 9BB Silicon Solar Cells
Dimension	166mm×166mm, tolerance±0.25mm
Thickness	150μm, tolerance±15μm
Front (anode)	Passivated Emitter(AlOx and SiNx dual layer) Rear Contact(Al), Blue silicon nitride anti-reflection coating, 10 row, The size of the head pad is 0.6 ± 0.1mm.
Back (cathode)	Blue silicon nitride anti-reflection coating,9 row, The size of the head pad is 0.6 ± 0.1mm.

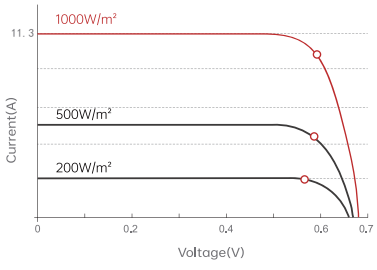
Conversion efficiency Eff (%)	Maximum power Pmax (W)	Open circuit voltage Voc (V)	Short circuit current Isc (A)	Optimum operating voltage Vm (V)	Optimum operating current Im (A)
23.80	6.525	0.698	11.428	0.613	10.644
23.70	6.497	0.697	11.396	0.612	10.616
23.60	6.470	0.696	11.364	0.611	10.589
23.50	6.443	0.695	11.332	0.610	10.561
23.40	6.415	0.694	11.300	0.609	10.534
23.30	6.388	0.693	11.268	0.608	10.506
23.20	6.360	0.692	11.236	0.607	10.478
23.10	6.333	0.691	11.204	0.606	10.450
23.00	6.305	0.690	11.172	0.605	10.422
22.90	6.278	0.689	11.139	0.604	10.394
22.80	6.251	0.688	11.107	0.603	10.366

All data at STC (standard testing conditions): 1000W/m2, AM1.5G, 25°C. Pmax ±1.5%, Efficiency ±0.2% abs.

Temperature coefficients

Power	-0.38%/°C
Current	+0.07% /°C
Voltage	-0.36 % /°C

Electrical Curves



Spectral Response