

Sunny Inspire

Higher power generation

Small size and consisting of parallel strings
Using the leading shingle technology-Parallel Black

Higher efficiency, more resistant to hot-spots,

reducing shading effect and strong ability to resist impact of snow and wind.

The difference may not appear obviously between traditional panel

and Parallel Black series in the beginning,

but occur after 5 years, 10 years even more than 20 years.

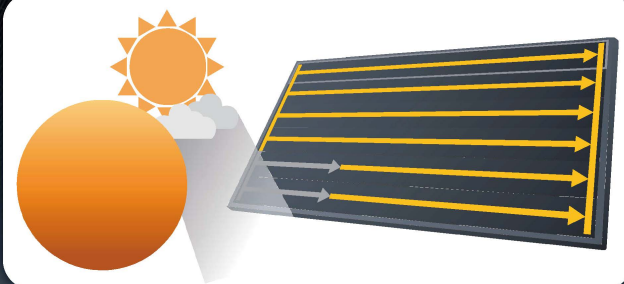
Adopting the parallel strings and innovation shingle cells.

Small size with beautiful appearance and excellent performance.

Parallel black series is a new technology that generates more electricity for long time using

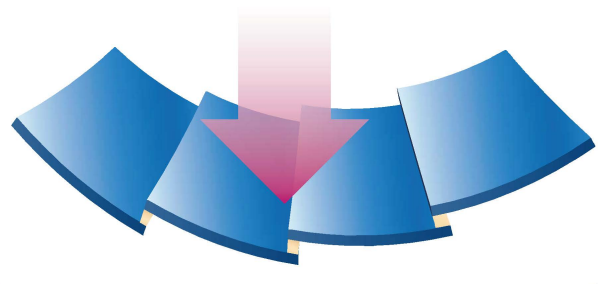
High ability to
resist shadows

Consisting of
parallel strings



Strong ability to
resist impact

Special design
for longer lifespan



Higher
efficiency

Using the leading
shingle technology

GW-E250A
1546×825×30mm

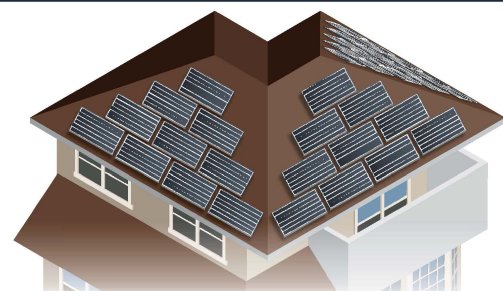
Maximum
Power
250w

Module
Efficiency
19.6%



Flexible installation
on multiple sides
of the roof

Smaller size and
easier installation

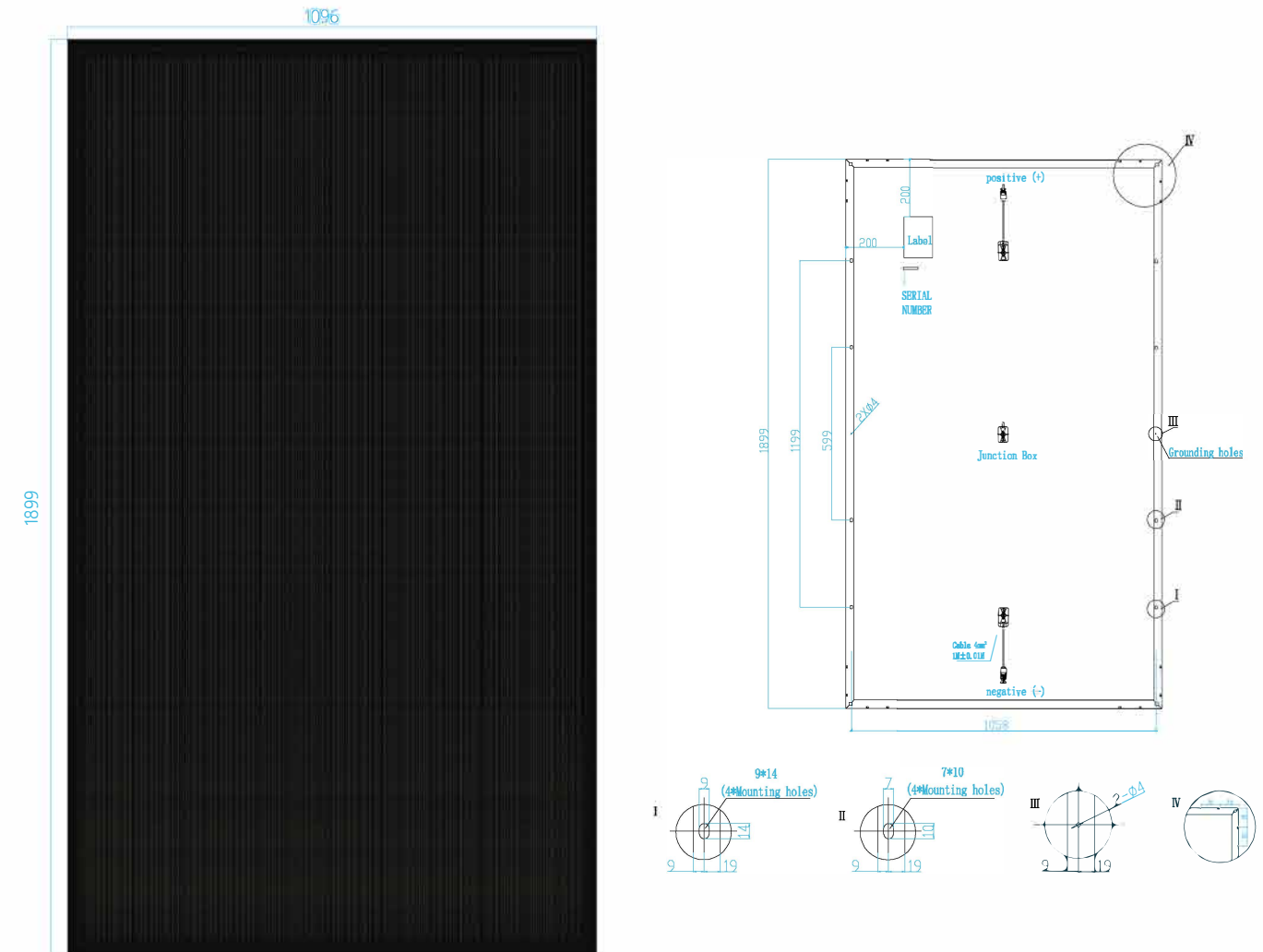


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Parallel Black series

—Parallel strings, Parallel module—

GW-E150A, GW-E200A, GW-E250A, GW-E300A, GW-E450A, GW-E540A, GW-E570A



Electrical Specifications

Module Type	Module Efficiency at STC(ηm)	Maximum Power at STC (Pmp)	Maximum Power Voltage (Vmp)	Maximum Power Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Power Tolerance (W)	Maximum System Voltage
GW-E150A	19.2%	150W	33.50	4.49	40.50	4.79	(0, +4.99)	600V
GW-E200A	19.5%	200W	33.50	5.98	40.50	6.38		
GW-E250A	19.6%	250W	33.50	7.48	40.50	7.98		
GW-E300A	19.6%	300W	33.50	8.98	40.50	9.58		
GW-E450A	21.6%	450W	31.70	14.23	37.68	15.05		
GW-E540A	21.9%	540W	31.38	17.22	37.74	18.31		
GW-E570A	21.8%	570W	33.09	17.22	39.79	18.31		1000V

Mechanical Specifications

Module Type	Cell type	External Dimensions (mm)	Weight	Frame	Junction Box	Cables	Connectors
GW-E150A	Mono-crystalline	1546*505*30	9.6kg	anodized aluminum	IP 67, waterproof	4.0mm²,1000mm Length can be customized	MC4 Compatible
GW-E200A		1546*665*30	11.8kg				
GW-E250A		1546*825*30	14kg				
GW-E300A		1546*992*30	16.4kg				
GW-E450A		1899*1096*30	21.6kg				
GW-E540A		1899*1303*30	25.8kg				
GW-E570A		2000*1303*30	27.4kg			4.0mm²,300mm Length can be customized	

Temperature Characteristics (Parallel Black series is common)

Pmax Temperature Coefficient	-0.365%/°C	Operating Temperature	-40~+85°C
Voc Temperature Coefficient	-0.281%/°C	Nominal Operating Cell Temperature (NOCT)	45±2°C
Isc Temperature Coefficient	+0.05%/°C		

www.sunnyinspire.com