

560~590W

Zeus series

**Mono SMBB TOPCon
double glass solar panel**

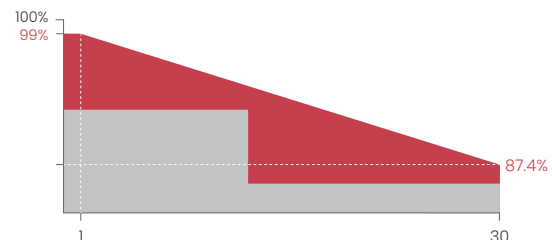
Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for distributed and centralized ground power stations.


MODULE CHARACTER

-  Exceptional PID Resistance
-  Salt mist resistance/Ammonia resistance /dust and hail resistance
-  Production process reliability test
-  0~+3% Positive Tolerance
-  Lower LID / LETID
-  Reduce BOS cost increase ROI
-  Non-destructive cutting
-  Double-sided electricity generation

CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



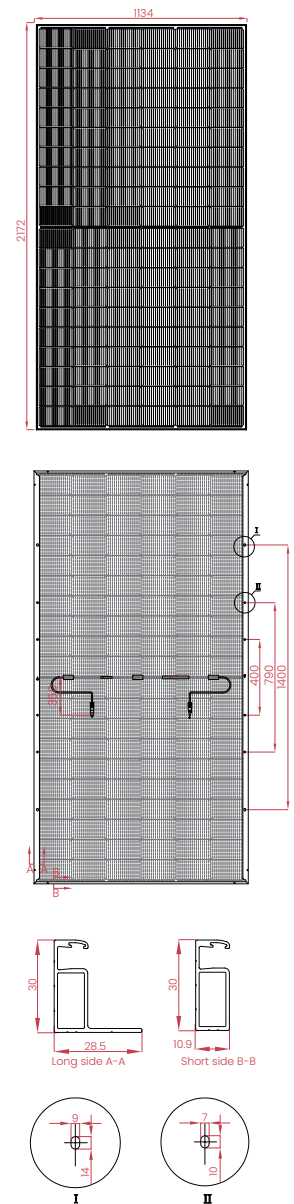
 Linear performance warranty

 Product warranty

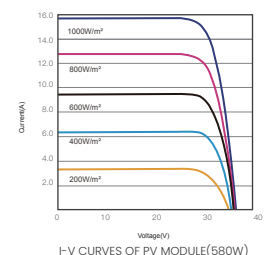


Electrical Characteristics(STC)								
Maximum Power:Pmax[W]	560	565	570	575	580	585	590	
Open Circuit Vlotage: Voc [V]	44.78	45.01	45.24	45.47	45.70	45.93	46.16	
Short Circuit Current: Isc [A]	15.99	16.05	16.11	16.17	16.23	16.29	16.34	
Voltage at Maximum Power: Vmp [V]	37.00	37.19	37.38	37.57	37.76	37.95	38.14	
Current at Maximum Power: Imp [A]	15.14	15.20	15.25	15.31	15.37	15.42	15.47	
Module Efficiency: η [%]	22.74	22.94	23.14	23.35	23.55	23.75	23.95	
*STC: Irradiance 1000W/m ² , Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%								
Electrical Characteristics(BNPI)								
Maximum Power:Pmax[W]	620.48	626.02	631.56	637.1	642.64	648.18	653.72	
Open Circuit Vlotage: Voc [V]	44.78	45.01	45.24	45.47	45.70	45.93	46.16	
Short Circuit Current: Isc [A]	17.71	17.78	17.85	17.91	17.98	18.04	18.10	
Voltage at Maximum Power: Vmp [V]	37.00	37.19	37.78	37.57	37.76	37.95	38.14	
Current at Maximum Power: Imp [A]	16.77	16.83	16.90	16.96	17.02	17.08	17.14	
* BNPI: Front side irradiance 1000W/m ² , Rear side irradiance 135W/m ² , Cell Temperature=25°C, AM=1.5, Power measurement tolerance:±3%								
Electrical characteristics with different rear side power gain								
5%	Maximum power:Pmax [W]	588.00	593.25	598.50	603.75	609.00	614.25	619.50
15%	Maximum power:Pmax [W]	644.00	649.75	655.50	661.25	667.00	672.75	678.50
25%	Maximum power:Pmax [W]	700.00	706.25	712.50	718.75	725.00	731.25	737.50
Temperature Rating								
Temperature Coefficient of Pmax		-0.26%/°C						
Temperature Coefficient of Voc		-0.24%/°C						
Temperature Coefficient of Isc		+0.046%/°C						
Operating Parameters								
Operating Temperature		-40°C ~ +70°C						
Maximum System Voltage		1500V DC						
Maximum Series Fuse Rating		30A						
Power Output Tolerance		0 ~ +3%						
Bifaciality coefficient of Pmax/Voc/Isc		80±5%/98±5%/80±5%						
Mechanical Parameters								
Cell type		N-type Mono-Crystalline						
Cell Orientation		120(6×20)						
Front /Rear Glass		2.0mm AR coating semi tempered glass/2.0mm Semi tempered glass						
Electrical Protection Class		Anodized aluminum alloy frame						
Frame		Class II						
IEC Fire Safety Class		Class C						
Junction Box		IP68, 3 diodes						
Cable&Connector		4mm, EVo2 or EVo2 compatible						
Cable Length(Including Connector)		300mm or as customer's requirements						
Maximum Static Test Load		5400 Pa (front) / 2400 Pa (rear)						
Packing Details								
Dimension		2172×1134×30mm						
Weight		29.9kg						
Pallet Dimensions		2200×1130×1259mm						
Packaging(Per pallet)		37pcs						
Packaging		345 pcs/20'GP, 740 pcs/40'HC						

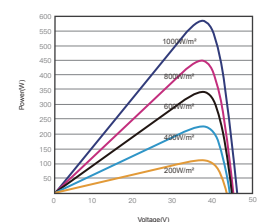
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(580W)



P-V CURVES OF PV MODULE(580W)