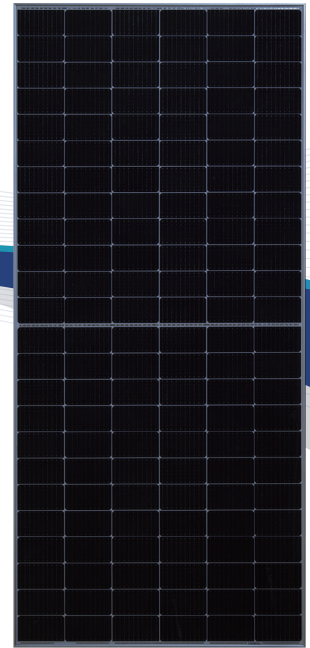


HY-WH144P8

535-555W

144 Pieces | HALF-CELL | P-Type



21.5%
Max.Efficiency
P-Type
Single Glass



High Conversion Efficiency

Module efficiency up to 21.5% achieved through advanced cell technology and manufacturing process



Excellent weak light performance

More power output in weak light condition, such as cloudy days, morning and sunset



Extended mechanical performance

Module certified to withstand extreme wind(2400 Pa) and snow loads(5400 Pa)

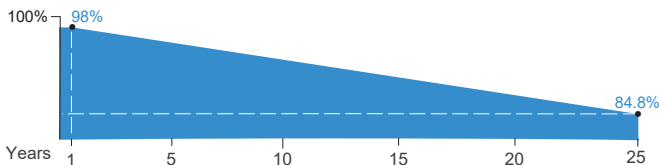


Quality Guarantee

High module quality ensures long-term reliability



IEC61215 / IEC61730 / UL61730
IEC61701 / IEC62716 / IEC60068
ISO9001 / ISO14001/ ISO45001



Runergy P-Type Single Glass Product Performance Warranty

warranty for materials and workmanship



warranty for extra linear power output

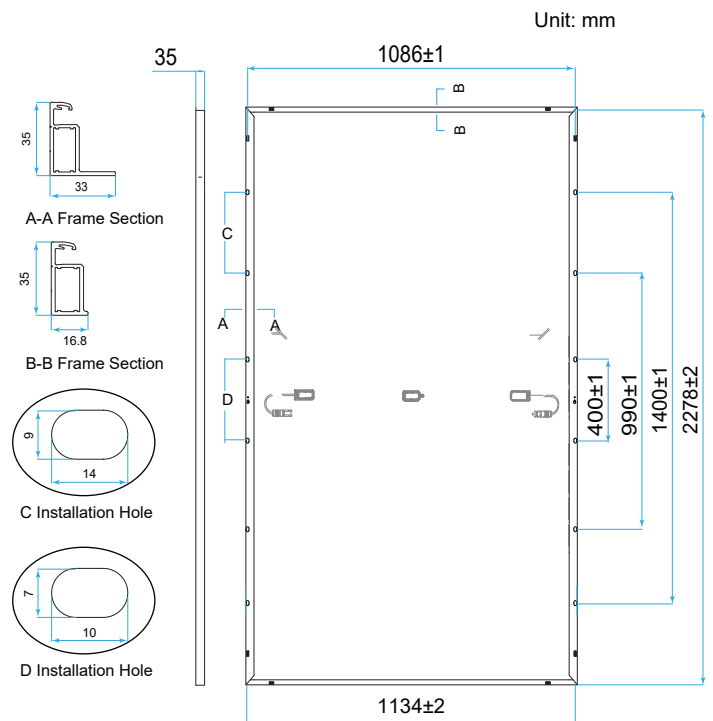


Mechanical Parameters

Solar Cell	Mono PERC 182 mm
No. of Cells	144(6 × 24)
Dimensions	2278 × 1134 × 35mm
Weight	28.1kg
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm ² (IEC), 12 AWG(UL) +400/-200mm or customized
Connector	RY01 or similar
Front Cover	3.2mm AR Tempered glass
Container	31 pcs/Pallet, 620 pcs/40' HC

Operating Parameters

Max. System Voltage	DC 1500V(IEC)
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rating	25A
Frontside Max. Loading	5400Pa
Backside Max. Loading	2400Pa
Fire Resistance	IEC Class C



Electrical Characteristics - STC

Irradiance 1000 W/m², ambient temperature 25 °C, AM1.5.

Maximum Power at STC (Pmax/W)	555	550	545	540	535
Power Tolerance (W)	0 ~ +5				
Optimum Operating Voltage (Vmp/V)	42.12	41.96	41.80	41.64	41.47
Optimum Operating Current (Imp/A)	13.18	13.11	13.04	12.97	12.90
Open Circuit Voltage (Voc/V)	50.05	49.90	49.75	49.60	49.45
Short Circuit Current (Isc/A)	14.07	14.00	13.93	13.86	13.79
Module Efficiency	21.5%	21.3%	21.1%	20.9%	20.7%

Electrical Characteristics - NMOT

Irradiance 800 W/m², ambient temperature 20 °C, AM1.5, wind speed 1 m/s.

Maximum Power at NMOT (Pmax/W)	419.9	416.0	412.2	408.5	404.6
Optimum Operating Voltage (Vmp/V)	39.94	39.79	39.64	39.49	39.33
Optimum Operating Current (Imp/A)	10.51	10.46	10.40	10.34	10.29
Open Circuit Voltage (Voc/V)	47.46	47.32	47.18	47.04	46.89
Short Circuit Current (Isc/A)	11.35	11.30	11.24	11.18	11.13

Temperature Characteristics

Nominal Module Operating Temperature	42 ± 2 °C
Nominal Cell Operating Temperature	45 ± 2 °C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.050%/°C

Warranty

Product Workmanship Warranty	12 Years
Linear Power Output Warranty	25 Years
First Year Degradation	2%
Annual Power Degradation	0.55%

Current-Voltage & Power-Voltage Curve (550W)

