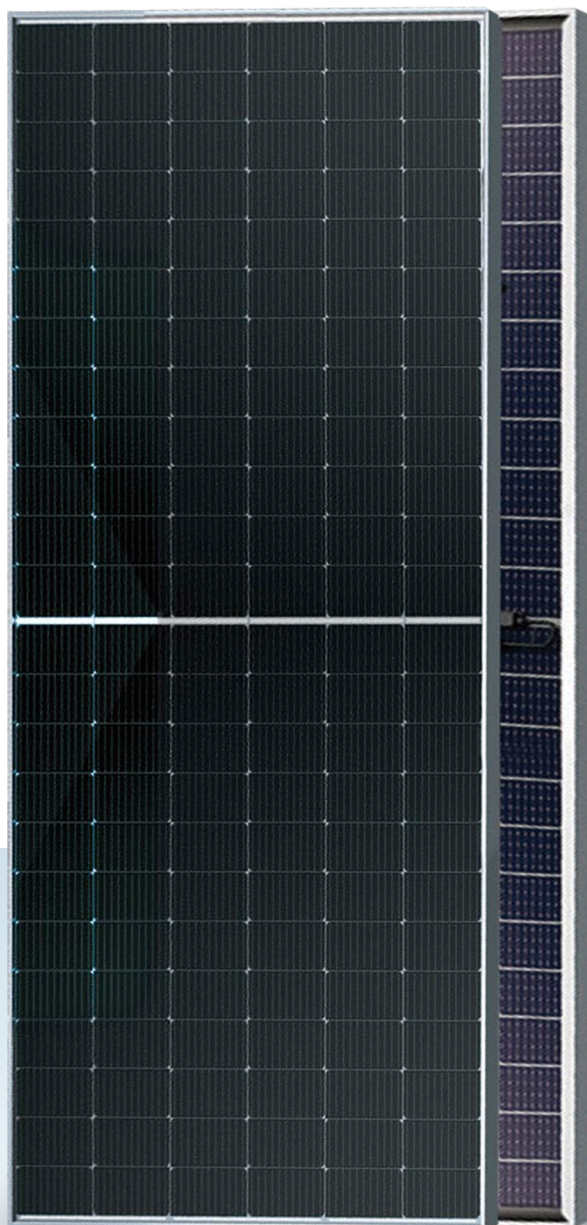


# Module

P-PERC

535-555W



TOP PV TECH,  
DRIVING ONWARD FOR GREEN ENERGY

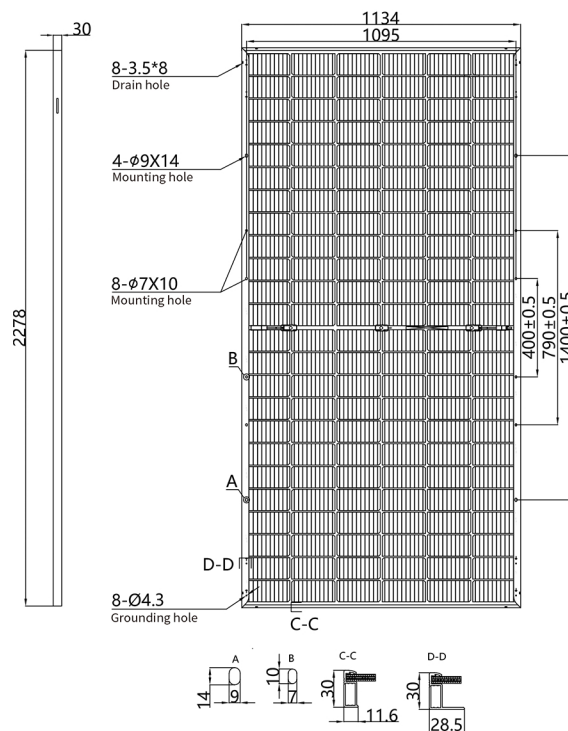
# Module Specification

P-PERC-535-555W

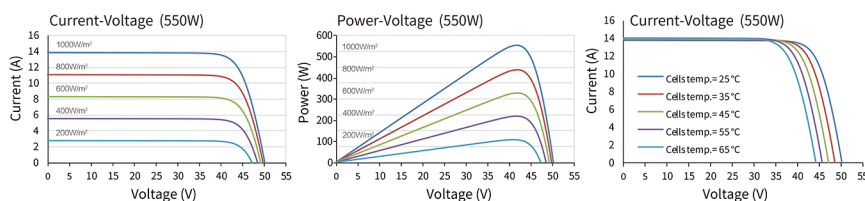
## Mechanical parameters

Outer dimensions (LxWxH)	2278 x 1134 x 30 mm
Cell	P type mono-crystalline
Number of cells	144 (6*24)
Frame Type	Aluminum, black anodized
Glass thickness	2.0+2.0 mm
Cable length (including connector)	Portrait: (+)300 mm, (-)300 mm; Customized length
Cable cross-sectional area (IEC)	4 mm <sup>2</sup> / 12 AWG
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	MC4 EVO2 compatible/MC4 EVO2
Module weight	32.1 kg
Packaging unit	36 pcs / box
Weight of packing unit	1215 kg / box
Modules per 40' HQ container	720 pcs

①Please refer to the installation manual or contact us to confirm.  
The maximum test mechanical load = 1.5x maximum design mechanical load.



## Performance curve



## Temperature coefficient

**-0.34%/°C**  
Temperature coefficient  
(Pmpp)

**+0.05%/°C**  
Temperature coefficient  
(Isc)

**-0.26%/°C**  
Temperature coefficient  
(Voc)

**42±2°C**  
Nominal module operating  
temperature  
(NMOT)

## Electrical performance parameters

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

Rated output (Pmpp/Wp)	535	540	545	550	555
Rated voltage (Vmpp/V)	41.22	41.45	41.70	41.93	42.18
Rated current (Impp/A)	12.98	13.03	13.07	13.12	13.16
Open circuit voltage (Voc/V)	49.36	49.64	49.92	50.20	50.48
Short-circuit current (Isc/A)	13.73	13.78	13.83	13.88	13.93
Module efficiency	20.7%	20.9%	21.1%	21.3%	21.5%
Power tolerance	0~+5W				

NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp/Wp)	404.8	408.6	412.4	416.2	420.0
Rated voltage (Vmpp/V)	38.23	38.45	38.67	38.90	39.12
Rated current (Impp/A)	10.58	10.62	10.66	10.70	10.74
Open circuit voltage (Voc/V)	46.21	46.48	46.74	47.01	47.28
Short-circuit current (Isc/A)	11.00	11.04	11.08	11.12	11.16