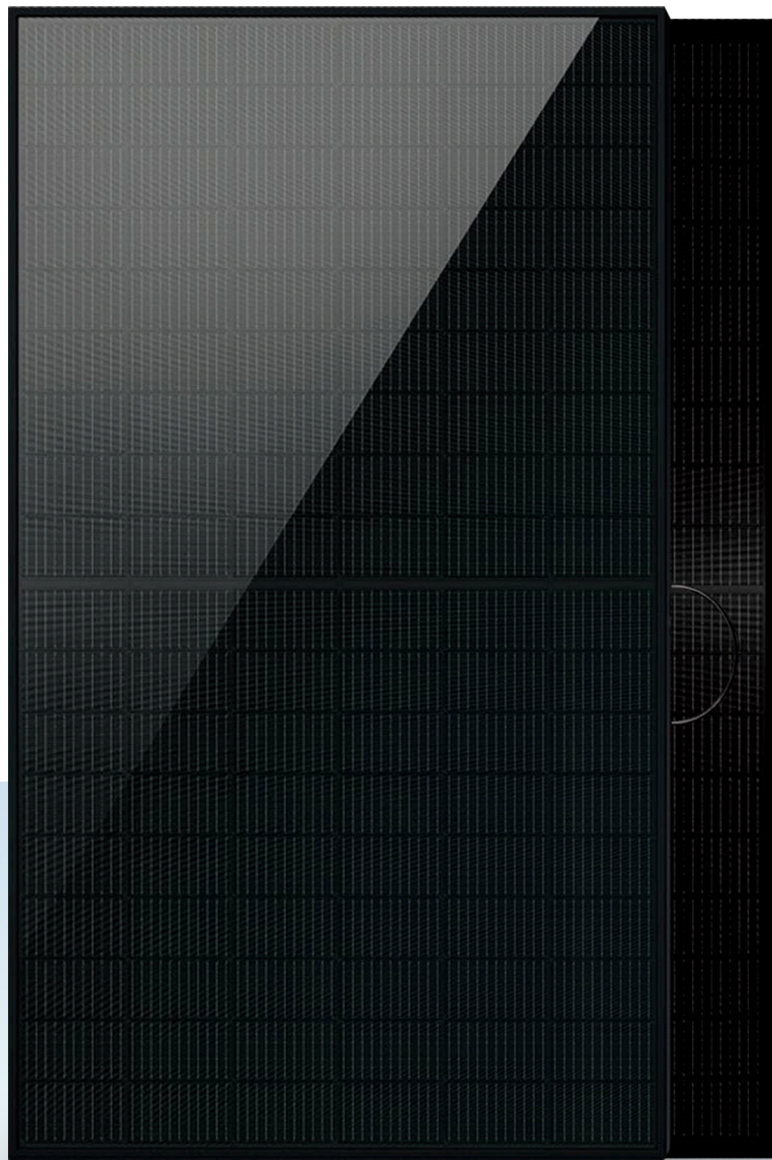


Module

P-PERC

395–415W (Full Black)



TOP PV TECH,
DRIVING ONWARD FOR GREEN ENERGY

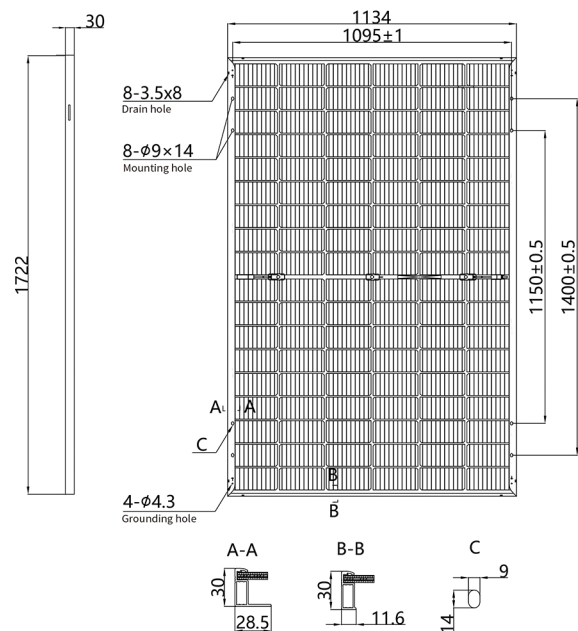
Module Specification

P-PERC-395-415W (All Black)

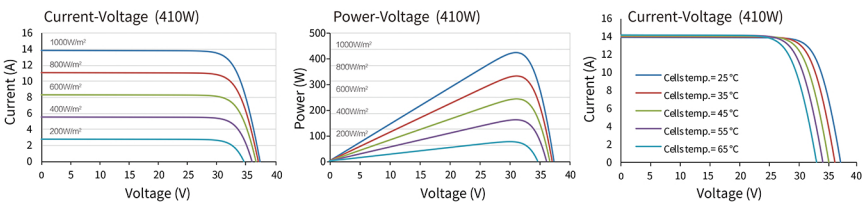
Mechanical parameters

Outer dimensions (LxWxH)	1722 x 1134 x 30 mm
Cell	P type mono-crystalline
Number of cells	108 (6*18)
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 ² / 12 AWG
①Maximum test mechanical load	5400Pa (front) /2400Pa(rear)
Connector type (IEC)	MC4 EVO2 compatible/MC4 EVO2
Module weight	23.7 kg
Packaging unit	36 pcs / box
Weight of packing unit	896 kg / box
Modules per 40' HQ container	936 pcs

①Please refer to the installation manual or contact us to confirm.
The maximum test mechanical load = 1.5× 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/m², Cell Temperature 25°C, AM=1.5					
Rated output (Pmpp/Wp)	395	400	405	410	415
Rated voltage (Vmpp/V)	31.03	31.21	31.38	31.57	31.74
Rated current (Impp/A)	12.73	12.82	12.91	12.99	13.08
Open circuit voltage (Voc/V)	36.78	36.93	37.08	37.23	37.38
Short-circuit current (Isc/A)	13.68	13.78	13.88	13.98	14.08
Module efficiency	20.2%	20.5%	20.7%	21.0%	21.3%
Power tolerance	0~+5W				
NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s					
Rated output (Pmpp/Wp)	297.9	301.7	305.5	309.3	313.1
Rated voltage (Vmpp/V)	28.89	29.06	29.21	29.39	29.55
Rated current (Impp/A)	10.31	10.38	10.46	10.52	10.59
Open circuit voltage (Voc/V)	34.43	34.57	34.71	34.85	34.99
Short-circuit current (Isc/A)	11.08	11.16	11.24	11.32	11.40