

Perovskite Solar Modules Series

Series S Series T

High Efficiency

Single Junction: 19.04% @ 2m²

Tandem: 26.36% @ 1.71m²

Large Dimension

2405MMX1155MM

2005MMX1005MM

Low Cost

Comprehensive manufacturing cost
lower than silicon modules

Low Emissions

Reduced carbon emissions

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Series S | Series T

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2405MMx1155MM

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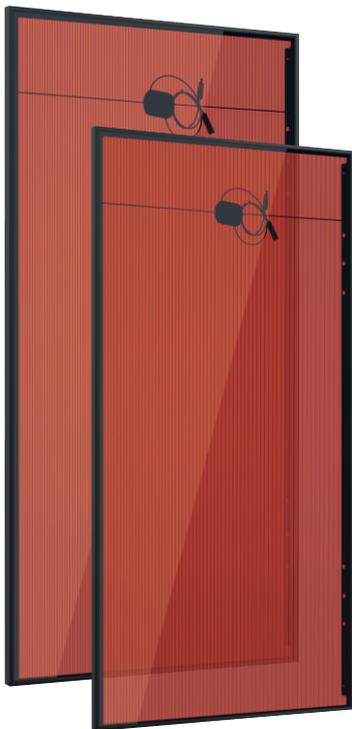
Multiple Models

Perovskite Single Junction Translucent Series S

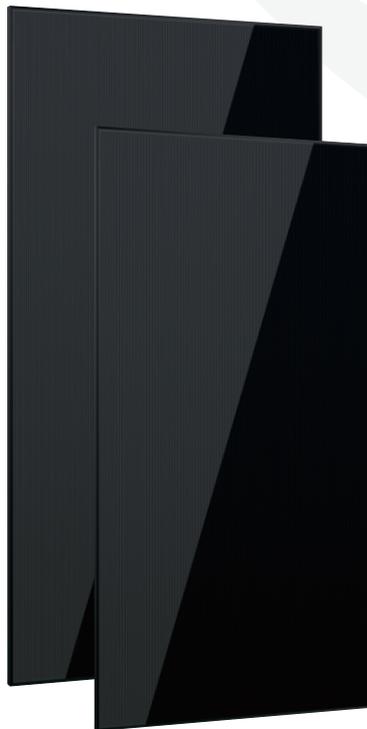
Perovskite Single Junction Reflective Series Sr

Perovskite Tandem Module Series T

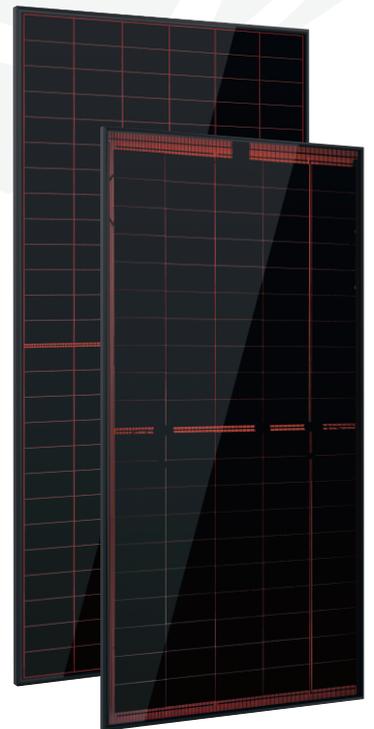
Perovskite BC Tandem Module Series T-BC



Perovskite Single Junction
Translucent Series S

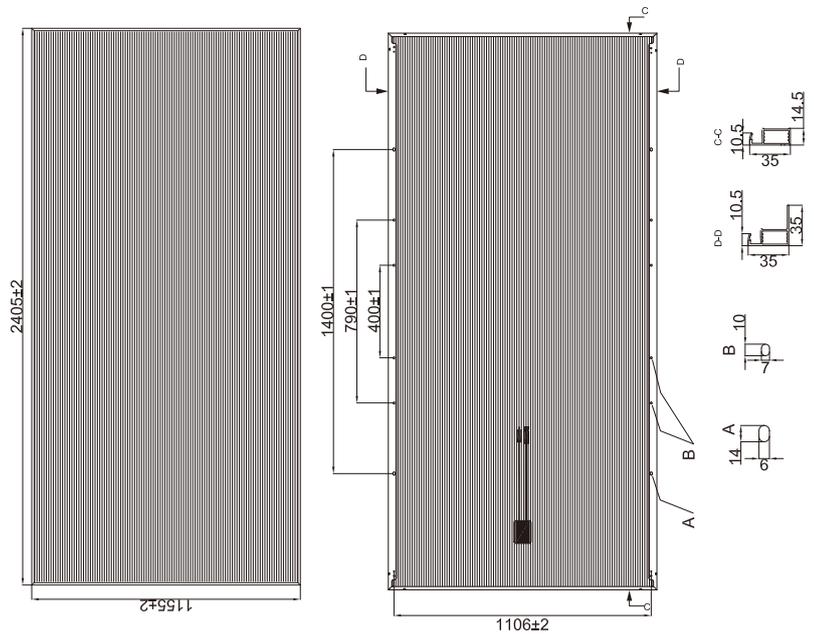
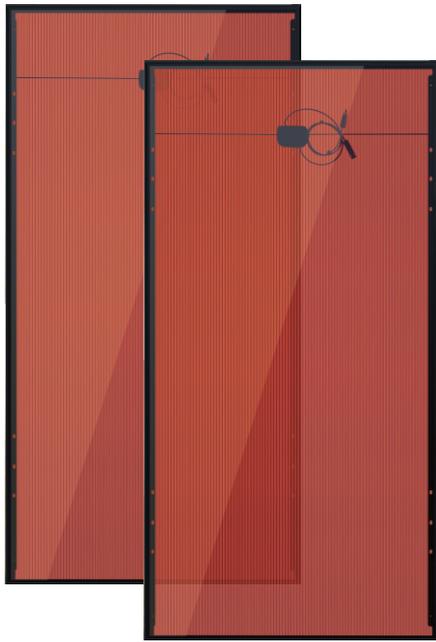


Perovskite Single Junction
Reflective Series Sr



Perovskite BC Tandem
Module Series T-BC

Single-Junction Perovskite Module 2405mm × 1155mm



Nominal Values		XXGD-S-435	XXGD-S-450	XXGD-S-470	XXGD-S-480
Nominal Power	$P_{MAX}(W)$	435	450	470	480
Efficiency (%)	%	15.80%	16.30%	17.00%	17.40%
Voltage at P_{MAX}	$V_{MAX}(V)$	189.06	192.49	194.62	197.81
Current at P_{MAX}	$I_{MAX}(A)$	2.31	2.36	2.42	2.43
Open Circuit Voltage	$V_{oc}(V)$	243.17	248.26	251.16	251.8
Short Circuit Current	$I_{sc}(A)$	2.58	2.63	2.67	2.68
Module Operating Temperature Range	(°C)	-40~+85°C			
Temperature Coefficient of P_{MAX}	$T_k(P_{MAX})$	-0.001±0.08%/°C			
Temperature Coefficient of V_{oc}	$T_k(V_{oc})$	-0.16±0.06%/°C			
Temperature Coefficient of I_{sc}	$T_k(I_{sc})$	+0.01±0.01%/°C			
Temperature Coefficient of V_{oc}	$T_k(V_{oc})$	-0.24%/°C			
Max.System Voltage	V	1500V DC			
Size	mm	2405*1155*35			
Active Area	m ²	2.76			
Weight	kg	≈45kg			