

ULTRA LOW CARBON MODULE



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CORROSION RESISTANT



HIGH STRENGTH



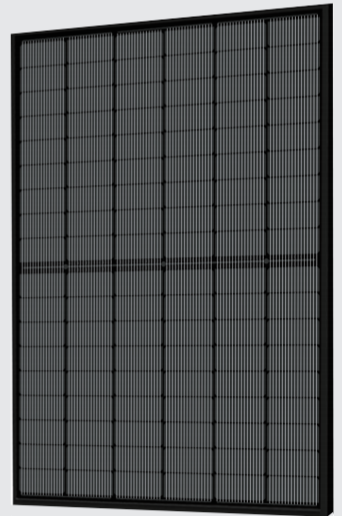
HIGH INSULATION



HIGH ANTI-GLARE



NATURAL BLACK AESTHETICS



PRODUCT APPLICATION FIELD



Resistant to corrosion and salt spray
Applicable to surface power stations
and offshore photovo

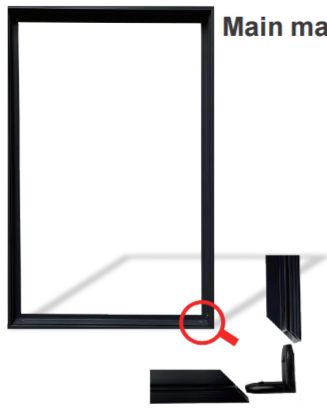


Light color variety Suitable for distri-
buted industrial and commercial roofing



High strength, good weather resist-
ance Applicable to large ground
photovoltaic power stations

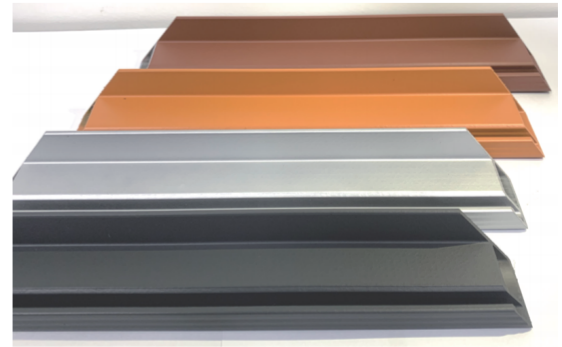
INTRODUCTION OF COMPOSITE FRAME



Main material: Glass Fiber, Polyurethane

Standard	Sectional drawing
B30	
B30-C	
B35-C	

Multiple colors can be customized



Al Frame VS Composite Frame

Al frame	Property	Composite frame
Intolerant of salt spray acid and alkali	Corrosion resistance	Salt spray resistance acid and alkali resistance
Resistance to heat and humidity and ultraviolet	Weather resistance	Resistance to heat and humidity and ultraviolet
~250Mpa	Mechanical property	800~1200Mpa
15.8T	T/co2	About 10% of aluminum frame
Conductive	Insulating property	Insulation , excellent PID resistance
2.7g/cm3	Specific gravity	2.1g/cm3

Damp heat resistance, salt spray corrosion resistance

DH test				
Material	Porportion	DH1000	DH2000	Description
Al frame	6063-T5			Slight white rust appears and can be cleaned and then tested
Composite frame	Polyurethane + glass fiber	/		There is no obvious change on the surface
Salt spray test				
Material	1000h	3000h	6000h	Physical picture after test
Al frame	Red rust spots appear on the cross section	Black spot extension	Strength retention rate > 50%	
Composite frame	Good appearance	Good appearance	Strength retention rate > 90%	

The composite frame itself and coating have excellent resistance to humidity and heat, and salt spray corrosion, especially suitable for sea surface beach, saline-alkali land and other highly corrosive scenes.

Recycle

Polyurethane is derived from petroleum, glass fiber is green building material. lower energy consumption, the comprehensive energy consumption is only 1/100 of aluminum alloy. The comprehensive energy consumption is only 1/100 of aluminum alloy.