

# Dragonfly

A "Roof-Agnostic" Solution for C&I Solar

#### Dragonfly brings installation steps to the fab ("I2F")

### **Introducing Dragonfly**

A new innovation platform based on the SMF Series

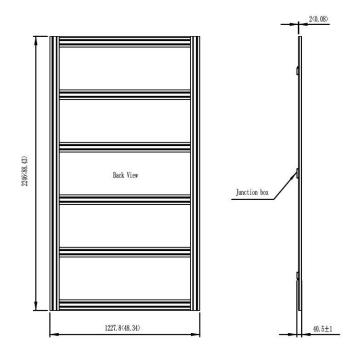
520W high-efficiency PV module with pre-integrated mounting

Bringing installation steps to the fab ("I2F")

saving on-site time and costs.



#### **Dimensions**



#### **Electrical Characteristics**

STC	SMH520J-12X12UW	
Maximum Power (P <sub>max</sub> )	520	
Maximum Power Voltage ( $V_{mp}$ )	42.3	
Maximum Power Current (I <sub>mp</sub> )	12.31	
Open-circuit Voltage (V <sub>oc</sub> )	49.5	
Short-circuit Current (I <sub>sc</sub> )	13.56	
Module Efficiency (%)	19.3	
Operating Temperature	-40 °C to 85 °C	
Maximum System Voltage	1500 V DC (IEC)	
Maximum Series Fuse Rating	25 A	
Application Class	Class A	
Power Tolerance	0/+5 W	
Product Dimensions	2246×1227.8×40.5 mm	
Weight	4.1kg/m <sup>2</sup>	







Weighs 4.1kg/m<sup>2</sup>.

**60% lighter** than equivalent conventional glass modules.



## Wide range of applications

Supports **all types** of installation methods including Quick-bonding and removable mechanical mounting.



## **Effortless** installation

Module comes pre-integrated with mounting hardware and bracket. **Saving 40%** of installation time.



"Roof" Agnostic C&I PV solution



### Mechanical Installation For Metal and Flat Roof Applications



1 Mark the Roof



2 Apply glue to the base



**③ Glue the base to the** roof



4 Slide the mounts into the brackets and screw the mount onto the base.



**5** Complete the installation



#### Quick-bonding Installation For Flat Roof Applications



1 Mark the Roof



3 Lay the module flat



2 Apply glue to the short side of the mounting structure



**4** Complete the installation



#### **Full Set of Certification**







Dragonfly has obtained the latest IEC 61215 and 61730, UL61730 and CGC certification.



#### **Additional Reliability Testing**











**Load Testing** 

Roof adhesion Testing

RoHS & REACH Testing

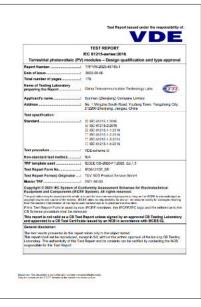
Module pulling force Testing

**Drainage Testing** 

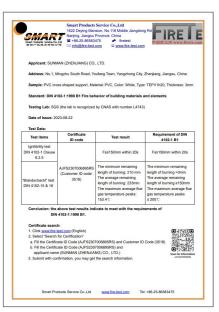


#### **Additional Reliability Testing**









Salt Mist Corrosion Testing

Hail Testing

**DH** Testing

Fire Testing



## **In-field application:**



Metal Roof | 6.7MW



## **In-field application:**



Metal Roof | 1.6MW





## **Thank You**



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