

Ultimate Cyclonic Design Wind Capacity for Suntech Photovoltaic Solar Modules (STP /Vfw/Wfw/Wfm model)

An independent static simulated wind load strength program is performed on the following Suntech modules. Test procedure adhered to AS4040.2:1992- Static Strength Test Regime. For more detail, refer to test reports. Below are summary of the results.

STP XXX(S)-24/Vfw¹

- STPXXX(S)-24/Vfw model is suitable to be installed in below wind load region:
 - ❖ **Wind Region C (15 m Height)**
 - ❖ **Wind Region D (10 m Height)**
- Ultimate Design Capacity of **8.7kPa** is based on 2 rails 1200mm & 3 rails 600mm configurations. It is the structural engineer's opinion that with the 2 rails configuration, the same wind pressure can be resisted with support point at 800mm & 900mm apart.

STP XXX(S)-20/Wfw²

- STPXXX(S)-20/Wfw model is suitable to be installed in below wind load regions:
 - ❖ **Wind Region C (15 m Height)**
 - ❖ **Wind Region D (5 m Height)**
- Ultimate Design Capacity of **8.7kPa** is based on 2 rails 800mm configuration. It is the structural engineer's opinion that the same wind pressure can be resisted with support point at 900mm.

STP XXX(S)-20/Wfm³

- STPXXXS-20/Wfm is suitable to be installed in below wind load regions:
 - ❖ **Wind Region C (15 m Height)**
 - ❖ **Wind Region D (5 m Height)**
- Ultimate Design Capacity of **8.0kPa** is based on 2 rails 800mm configuration. It is the structural engineer's opinion that with same wind pressure can be resisted with support point at 900mm.

¹ For Vfw serial modules, XXX in the type replaces the power in watt and can be any number between: 340 – 350 for standard mono, 315-335 for standard poly, 350-375 for Hypro, 330-350 for Superpoly

² For Wfw serial modules, XXX in the type replaces the power in watt and can be any number between: 280 – 290 for standard mono, 260-270 for standard poly, 290-315 for Hypro, 280-290 for Superpoly

³ For Wfm serial modules, XXX in the type replaces the power in watt and can be any number between: 290 – 310 for Hypro