

Product News for 2012

Introduction of Suntech`s New Components

Product Marketing Europe



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01

Introduction of New Frame Design for W series

Overview about the main Changes

1. New Dimension

- 1640 x 992 x 50 mm
(old 1650 x 991 x 50 mm)

2. Additional Grounding Holes

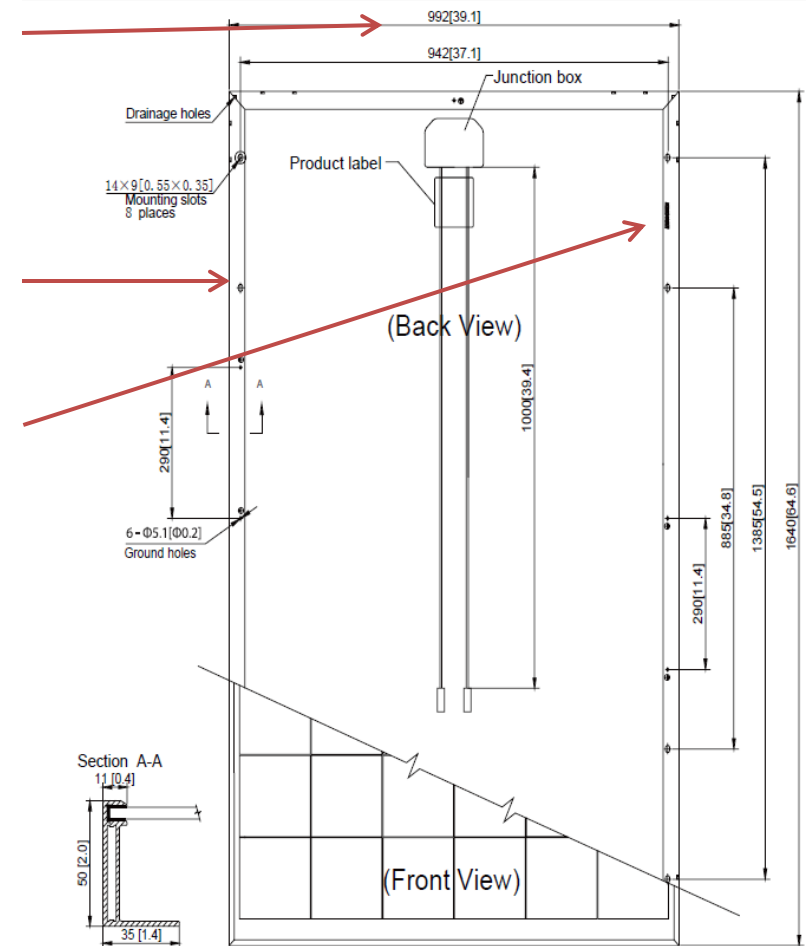
- Four additional grounding options

3. Suntech Stamp

- Anti-Counterfeit Suntech Imprint on long side of the frame

Affected Modules

- STPxxx-20/Wd
- STPxxxS-20/Wd
- HiPerforma™ Pluto Wdm-xxx

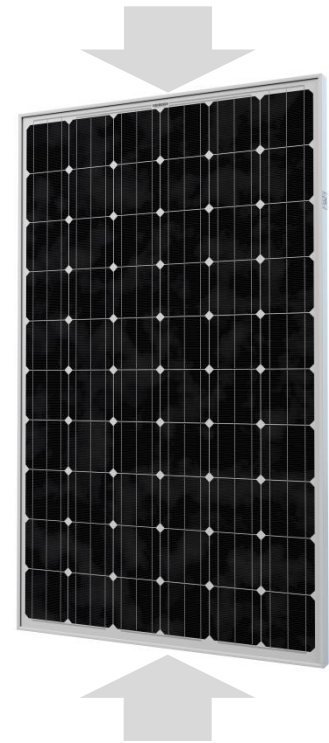


Note: mm [Inch]

Your Advantage: 1. New Dimensions

- Improved Handling
 - Reduction of the module height of 2,5 cm (old 1665 mm, new 1640 mm)
 - Reduction of the weight of 700 grams (old 19,8 kg, new 19,1 kg)
- Increased Efficiency of +0,2%
 - 14,1% for STP230-20/Wd (old 13,9%)
 - 15,4% for STP250S-20/Wd (old 15,2%)
 - 15,0% for HiPerforma™ Pluto Wdm-245 (old 14,8%)
- Unchanging Stability
 - Rigid hollow chamber frame design
 - 3800 Pa wind load (~ 270 km/h)*
 - 5400 Pa snow load (~550 Kg/m²)*

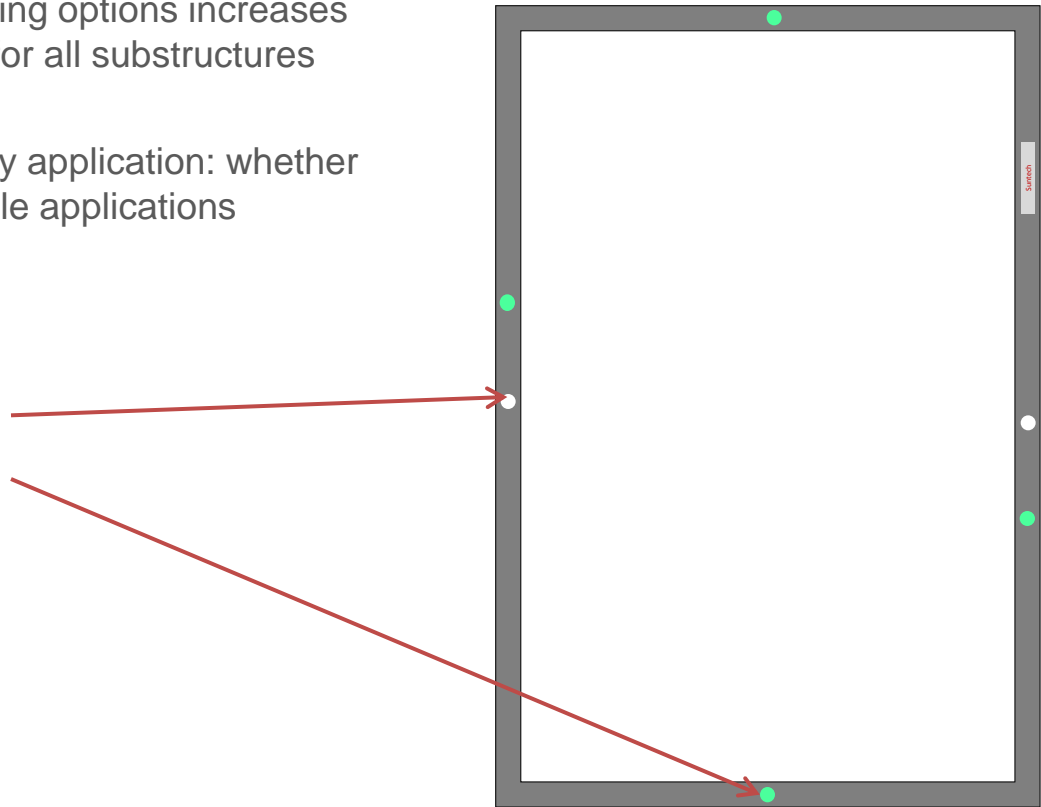
* Please refer to the Suntech Installation Manual for further information



Your Advantage: 2. Additional Grounding Options

- More Flexibility
 - Four additional grounding options increases mounting possibilities for all substructures
 - More flexibility for every application: whether residential or large scale applications

White: Existing holes
Green: New holes



Your Advantage: 3. Suntech Stamp

- Anti-Counterfeit Protection
 - The Suntech imprint indicates original Suntech modules
 - Protection against poor manufactured fake modules



02

Introduction of MC4 and H4 in Europe

Introduction: MC4 Connector

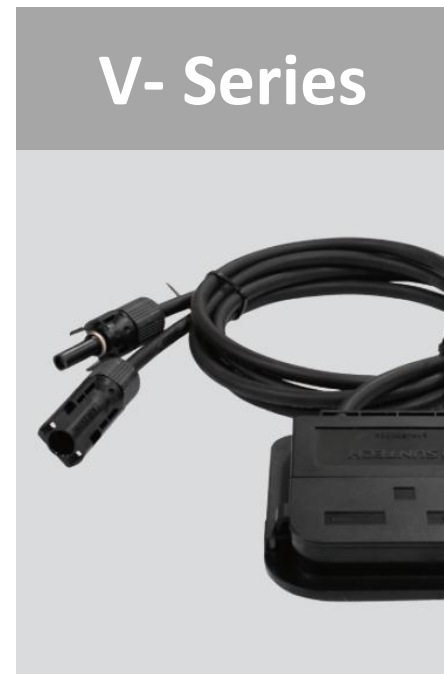
- Designed in Switzerland by Multi Contact
 - Based on patented MC-Multilam® technology
 - High contact force
 - Various contacts with excellent long time behavior
- Well-known Snap-in Locking System
 - Very successful locking system in the PV industry
 - Easy and safe connection
 - Simple unlocking tool meeting NEC 2008 requirement
- Reliable and Flexible
 - Field- and Pre- Assembled
 - Cross Section to be tailored of up to 10mm²
 - IP 67 protection class

W- Series



Introduction: H4 Connector

- Designed in Americas by Amphenol
 - One of the largest connector manufacturer in the world (over 32.000 employees in 50 countries)
 - Based on patented RADSOK® contact technology
- Secure Snap Lock Mating
 - Fully intermateable with industry standard
 - Meets all new NEC 2008 requirements
 - Simple unlocking tool meets NEC 2008 requirements
- Reliable and Flexible
 - Complete cable assemblies available
 - Ready for field assembly
 - Long-term UV and Ozone resistance



03

Introduction of new Junction Box for V - Series

Introduction: Suntech Junction Box

- Designed in direct cooperation with Suntech
 - Especially designed to meet Suntech`s high demands
 - Designed for Suntech`s large scale modules
 - Dual rated (IEC and UL)
- Reliable Operations
 - IP 67 protection class by using potting process
 - Manufactured with PPE (high thermal and oxidative stability)
 - Low maintenance
- Fulfill Suntech`s quality standards
 - Rigorous testing in own VDE certifiert test lab
 - UV and Ozone resistance
 - Passed harsh tests: ammonia and salt mist resistant



Overview: Electrical Components

		Huber+Suhner Junction Box		Suntech Junction Box	
Multi-Contact MC4		W* – Series (UL and IEC listed)		-	
Amphenol H4		-		V – Series (UL and IEC listed)	
Huber+Suhner H+S		A – Series (UL and IEC listed)		-	

* New frame design (slide 4)

Thank you