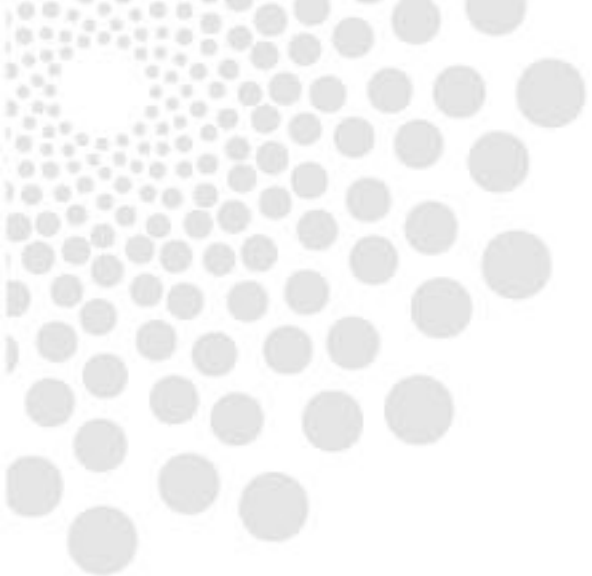


# Product News for 2012

Introduction of Suntech`s New Components

Product Marketing Europe



## Content

1. Introduction of new Frame Design for W series
2. Introduction of MC4 and H4 in Europe
3. Introduction of new Junction Box for V series

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

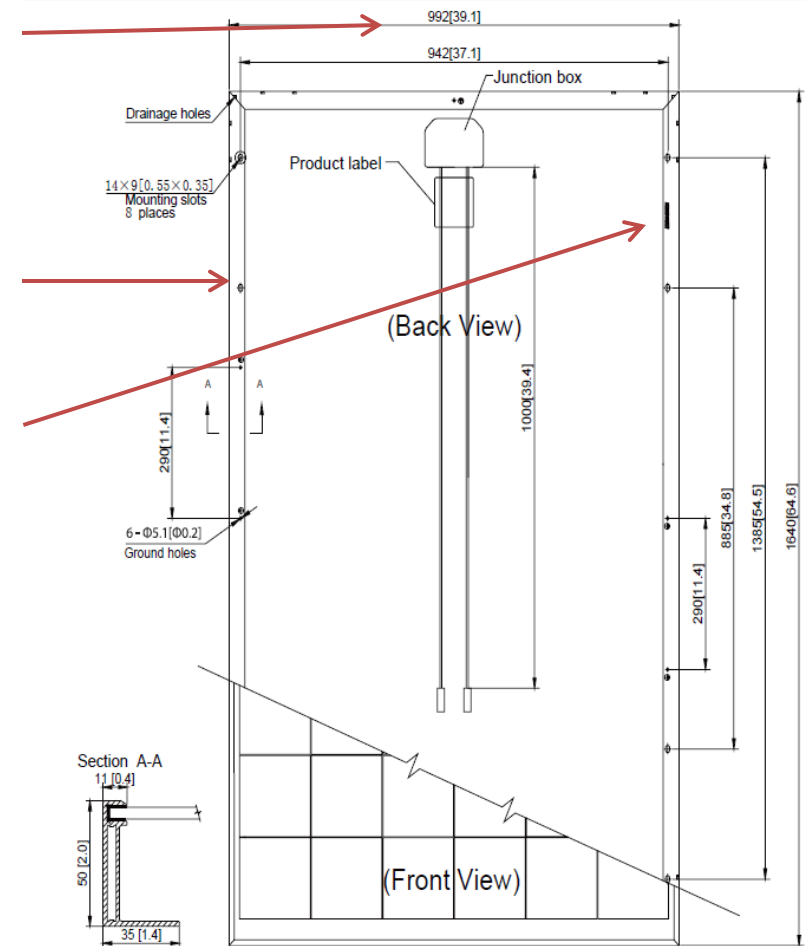
- Four additional grounding options

## 3. Suntech Stamp

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

## Affected Modules

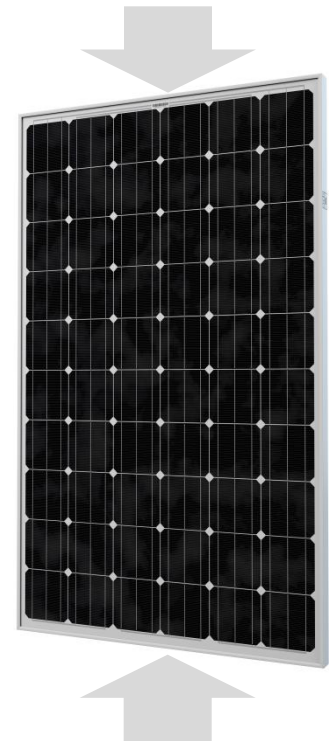
- STPxxx-20/Wd
- STPxxxS-20/Wd
- HiPerforma™ Pluto Wdm-xxx



Note: mm [Inch]

# Your Advantage: 1. New Dimensions

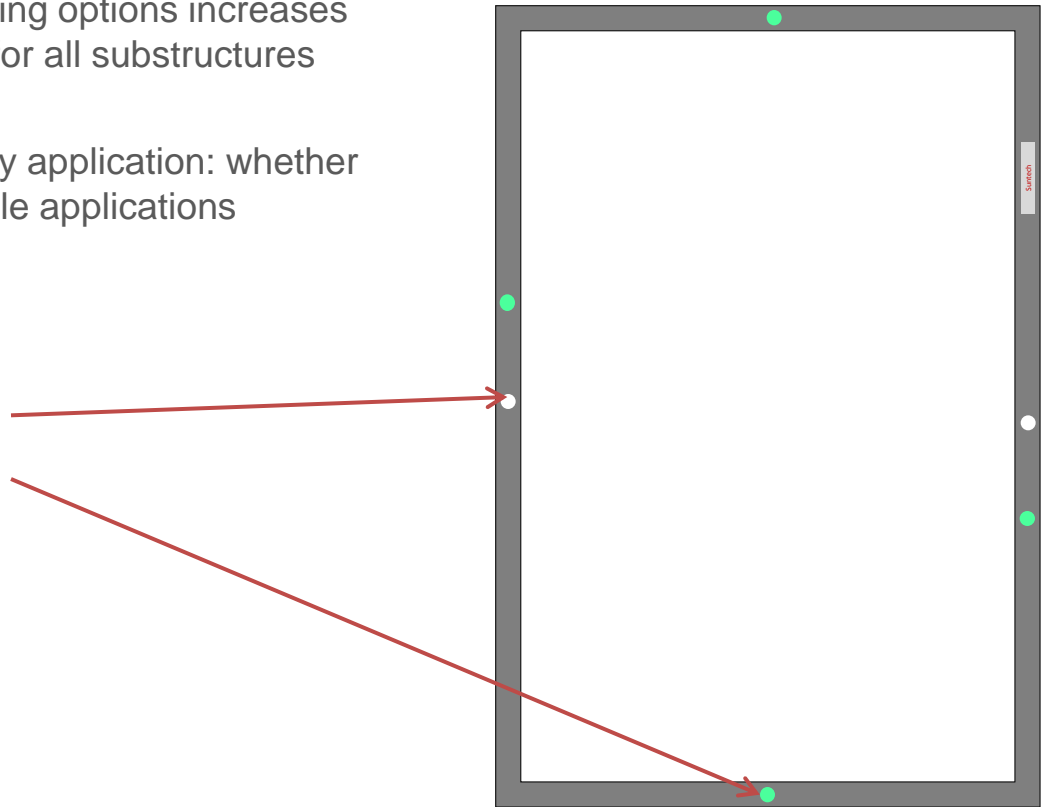
- Improved Handling
    - Reduction of the module height of 2,5 cm (old 1665 mm, new 1640 mm)
    - Reduction of the weight of 700 grams (old 19,8 kg, new 19,1 kg)
  - Increased Efficiency of +0,2%
    - 14,1% for STP230-20/Wd (old 13,9%)
    - 15,4% for STP250S-20/Wd (old 15,2%)
    - 15,0% for HiPerforma™ 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/m<sup>2</sup>)\*
- \* 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

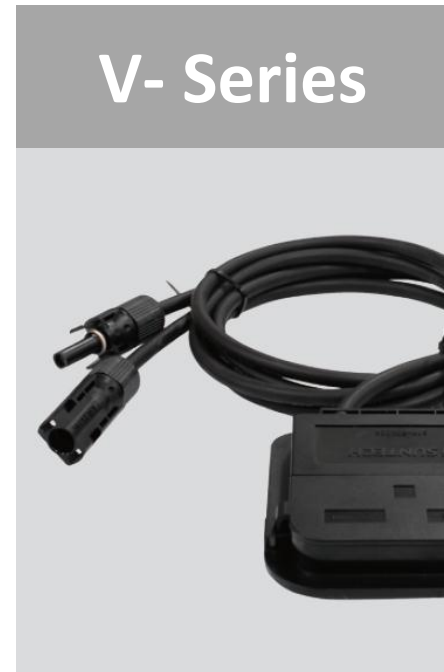
- Designed in Switzerland by Multi Contact
  - Based on patented MC-Multilam® technology
  - High contact force
  - Various contacts with excellent long time behavior
- Well-known Snap-in Locking System
  - Very successful locking system in the PV industry
  - Easy and safe connection
  - Simple unlocking tool meeting NEC 2008 requirement
- Reliable and Flexible
  - Field- and Pre- Assembled
  - Cross Section to be tailored of up to 10mm<sup>2</sup>
  - 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

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

\* New frame design (slide 4)

**Thank you**