NOTE: It can be assumed that with the exception of Model numbers, the specifications are the same for all the modules in the test results

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| **MODULE DETAILED SPECIFICATIONS** | |
| Manufacturer | Zhuhai Tianbo |
| Location | China |
| Contact | Tailin Wang |
| Address | No.1 Pingbei 2nd Road, Zhuhai, China 519060 |
| Email | spv@yuemaolaser.com |
| Phone | +86-756-8911378 |
| Model Number | KUT0012 |
| Module total length x width (cm x cm) | 158× 80.8 |
| Module weight (kg) | 15 |
| Individual cell Area (cm2) | 148.58 |
| Cell technology  *(mono-Si, poly-Si, a-Si, CIS, CdTe, etc.)* | ***Mono-Si*** |
| Cell manufacturer and part # | Motech |
| Cell manufacturing location | Taiwan |
| Total number of cells | 72 |
| Number of cells in series | 72 |
| Number of series strings | 3 |
| Number of bypass diodes | 3 |
| Bypass diode rating (A) – attach diode datasheet | 10 / 10SQ050 |
| Bypass diode max junction temperature (°C) | 200 |
| Series fuse rating (A) | 10 |
| Interconnect material and supplier model no. | Ulbrich Stainless Steels & Special Metals Ltd |
| Interconnect dimensions (mm x mm) | 0.2mm ×1.5mm , 0.2mm × 5mm |
| Superstrate type  *(eg – strengthened glass etc)* | Tempered Glass |
| Superstrate manufacturer and part # | Dongguan CSG Solar Glass Co., Ltd./ 3.2 mm |
| Substrate type | TPT/0.35 mm |
| Substrate manufacturer and part # | ISOVOLTA |
| Frame type/material | Aluminum alloy |
| Frame adhesive | Dow Corning 7091 |
| Encapsulant type | EVA/0.5 mm |
| Encapsulant manufacturer and part # | Bridge Stone Corporation |
| Junction box type | PV-RH0502B |
| Junction box manufacturer and part # | Cixi Renhe Photovoltaic Electrical Appliance Co.,Ltd. |
| Junction box potting material, if any | NA |
| Junction box adhesive | Dow Corning 7091 |
| Is junction box intended for use with Conduit? | NA |
| Cable & Connector type | 2 pfg 1169 1x4 mm2, 05-6 |
| Maximum system voltage (V) | 1000V |
| Voc (V) | 44.2 |
| Isc (A) | 5.25 |
| Vmp (V) | 35.2 |
| Imp (A) | 4.97 |
| Pmp (W) | 175 |
| FF (%) | 75 |