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Solar Panel Guide Specification Data Sheet

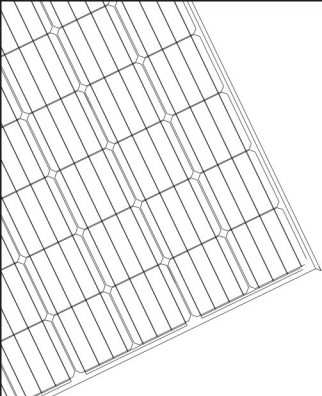
Luo Yang Winners Solar Technology Co., Ltd

HSM5-385M

HSM280M156

Also available on the web at

EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm280m156



THE Mustang MODULE
HSM5-385M
 Mono 5~385W



ISO 9001:2015、ISO 14001:2015、OHSAS 18001:2007 Factory certification

Module Characteristics



Positive allowance assurance:
 guaranteed power output (0~5%)



Strict quality control:
 All modules undergo Electroluminescent test, 1500V insulation test and electrical performance test



High quality raw material:
 Sleek appearance
 Available with black frame



Reliable performance:
 Anti-reflective glass coating and advanced cell surface texturing ensures better capture of direct and indirect light
 Lower temperature coefficient in hot environment produces higher output

| | |
|-----------------------------------|--------------------------|
| 4% lower transportation cost | 3% lower Land cost |
| Reduced by 2.5% Installation cost | Reduced by 1.5% BOS cost |

Higher conversion efficiency reduces system cost per watt



Note: Read safety and installation instructions before using the product.
 If the specifications of this data sheet are changed, the actual product shall prevail.

Mono Crystalline Solar Panels

| Parameter Type | Max power (W) | Dimension (mm) | Arrangement | Cells | Eff | Module Eff | Vmp(V) | Imp(A) | Voc(V) | Isc(A) | Weight(KG) |
|----------------|---------------|----------------|-------------|--------|--------|------------|--------|--------|--------|--------|------------|
| HSM385M156 | 385 | 1956*992*40 | 6*12 | 0.2189 | 0.195 | 39.62 | 9.76 | 48.2 | 10.31 | 22 | |
| HSM380M156 | 380 | 1956*992*40 | 6*12 | 0.216 | 0.193 | 39.45 | 9.65 | 48.1 | 10.21 | 22 | |
| HSM375M156 | 375 | 1956*992*40 | 6*12 | 0.2132 | 0.1912 | 39.36 | 9.53 | 47.96 | 10.09 | 22 | |
| HSM370M156 | 370 | 1956*992*40 | 6*12 | 0.2103 | 0.1906 | 39.32 | 9.42 | 47.78 | 9.92 | 22 | |
| HSM365M156 | 365 | 1956*992*40 | 6*12 | 0.2074 | 0.1881 | 39.12 | 9.35 | 47.76 | 9.85 | 22 | |
| HSM360M156 | 360 | 1956*992*40 | 6*12 | 0.2046 | 0.1855 | 39 | 9.24 | 47.7 | 9.71 | 22 | |
| HSM355M156 | 355 | 1956*992*40 | 6*12 | 0.2012 | 0.1829 | 38.65 | 9.22 | 47.65 | 9.71 | 22 | |
| HSM350M156 | 350 | 1956*992*40 | 6*12 | 0.1989 | 0.1803 | 38.06 | 9.21 | 46.45 | 9.71 | 22 | |
| HSM345M156 | 345 | 1956*992*40 | 6*12 | 0.1961 | 0.1778 | 38.05 | 9.11 | 46.4 | 9.62 | 22 | |
| HSM340M156 | 340 | 1956*992*40 | 6*12 | 0.1932 | 0.1752 | 37.9 | 8.97 | 46.54 | 9.55 | 22 | |
| HSM335M156 | 335 | 1956*992*40 | 6*12 | 0.1904 | 0.1726 | 37.41 | 8.96 | 46.35 | 9.5 | 22 | |
| HSM330M156 | 330 | 1956*992*40 | 6*12 | 0.1875 | 0.17 | 37.2 | 8.86 | 46.25 | 9.46 | 22 | |
| HSM320M156 | 320 | 1640*992*35 | 6*10 | 0.2183 | 0.1966 | 33.4 | 9.75 | 40.96 | 10.25 | 18.5 | |
| HSM315M156 | 315 | 1640*992*35 | 6*10 | 0.2149 | 0.1936 | 33.2 | 9.5 | 40.8 | 9.96 | 18.5 | |
| HSM310M156 | 310 | 1640*992*35 | 6*10 | 0.2115 | 0.1905 | 32.99 | 9.46 | 40.22 | 9.92 | 18.5 | |
| HSM305M156 | 305 | 1640*992*35 | 6*10 | 0.208 | 0.1874 | 32.9 | 9.28 | 40 | 9.85 | 18.5 | |
| HSM300M156 | 300 | 1640*992*35 | 6*10 | 0.2046 | 0.1844 | 32.4 | 9.18 | 39.74 | 9.73 | 18.5 | |
| HSM295M156 | 295 | 1640*992*35 | 6*10 | 0.2012 | 0.1813 | 32.5 | 9.08 | 39.6 | 9.68 | 18.5 | |
| HSM290M156 | 290 | 1640*992*35 | 6*10 | 0.1978 | 0.1782 | 32.25 | 9.01 | 39.5 | 9.55 | 18.5 | |
| HSM285M156 | 285 | 1640*992*35 | 6*10 | 0.1944 | 0.1751 | 32 | 8.92 | 39.3 | 9.44 | 18.5 | |
| HSM280M156 | 280 | 1640*992*35 | 6*10 | 0.191 | 0.1721 | 31.6 | 8.9 | 39.28 | 9.42 | 18.5 | |
| HSM275M156 | 275 | 1640*992*35 | 6*10 | 0.1875 | 0.169 | 31.42 | 8.72 | 39.07 | 9.4 | 18.5 | |
| HSM270M156 | 270 | 1640*992*35 | 6*10 | 0.1841 | 0.1659 | 31.2 | 8.68 | 38.96 | 9.31 | 18.5 | |
| HSM250M156 | 250 | 1640*992*35 | 6*10 | 0.166 | 0.157 | 30.5 | 8.37 | 38.1 | 8.88 | 18.5 | |
| HSM215M125 | 215 | 1580*808*35 | 6*12 | 0.1928 | 0.1684 | 37.4 | 5.75 | 45.82 | 6.3 | 15 | |
| HSM210M125 | 210 | 1580*808*35 | 6*12 | 0.1883 | 0.1645 | 37.2 | 5.65 | 45.57 | 6.19 | 15 | |
| HSM205M125 | 205 | 1580*808*35 | 6*12 | 0.1838 | 0.1605 | 37 | 5.55 | 45.33 | 6.08 | 15 | |
| HSM200M125 | 200 | 1580*808*35 | 6*12 | 0.1794 | 0.1566 | 36.8 | 5.44 | 45.08 | 5.96 | 15 | |
| HSM190M156 | 190 | 1482*676*35 | 4*9 | 0.2161 | 0.1915 | 19.78 | 9.61 | 24.23 | 10.52 | 11 | |
| HSM185M156 | 185 | 1482*676*35 | 4*9 | 0.2103 | 0.1865 | 19.68 | 9.41 | 24.11 | 10.3 | 11 | |
| HSM180M156 | 180 | 1482*676*35 | 4*9 | 0.2046 | 0.1814 | 19.47 | 9.25 | 23.85 | 10.13 | 11 | |
| HSM175M156 | 175 | 1482*676*35 | 4*9 | 0.1989 | 0.1764 | 19.38 | 9.03 | 23.74 | 9.89 | 11 | |
| HSM170M156 | 170 | 1482*676*35 | 4*9 | 0.1932 | 0.1713 | 19.33 | 8.8 | 23.68 | 9.64 | 11 | |
| HSM165M156 | 165 | 1482*676*35 | 4*9 | 0.1875 | 0.1663 | 19.2 | 8.6 | 23.52 | 9.42 | 11 | |
| HSM160M156 | 160 | 1482*676*35 | 4*9 | 0.1819 | 0.1613 | 18.44 | 8.68 | 22.59 | 9.5 | 11 | |
| HSM155M156 | 155 | 1482*676*35 | 4*9 | 0.1762 | 0.1562 | 18.3 | 8.47 | 22.42 | 9.27 | 11 | |
| HSM150M156 | 150 | 1482*676*35 | 4*9 | 0.1705 | 0.1512 | 18.2 | 8.25 | 22.3 | 9.03 | 11 | |
| HSM150M156 | 145 | 1250*668*35 | 4*9 | 0.1978 | 0.1736 | 19.35 | 7.5 | 23.7 | 8.21 | 9.5 | |
| HSM125M156 | 125 | 1130*668*35 | 4*9 | 0.1894 | 0.1655 | 18.65 | 6.71 | 22.85 | 7.35 | 8.5 | |
| HSM120M156 | 120 | 1130*668*35 | 4*9 | 0.1819 | 0.1589 | 18.3 | 6.56 | 22.42 | 7.18 | 8.5 | |
| HSM115M156 | 115 | 1015*668*35 | 4*9 | 0.1961 | 0.1696 | 19.04 | 6.04 | 23.32 | 6.61 | 8 | |
| HSM110M156 | 110 | 1015*668*35 | 4*9 | 0.1875 | 0.1622 | 18.7 | 5.89 | 22.91 | 6.45 | 8 | |
| HSM110M156 | 110 | 1216*556*35 | 4*9 | 0.1973 | 0.1666 | 18.5 | 5.95 | 22.66 | 6.52 | 9 | |
| HSM105M156 | 105 | 1216*556*35 | 4*9 | 0.1883 | 0.159 | 18.4 | 5.71 | 22.54 | 6.25 | 9 | |
| HSM100M156 | 100 | 1216*556*35 | 4*9 | 0.1794 | 0.1377 | 18.3 | 5.47 | 22.42 | 5.99 | 9 | |
| HSM90M56 | 90 | 780*668*35 | 4*9 | 0.2046 | 0.1727 | 19.64 | 4.59 | 24.06 | 5.03 | 6.1 | |
| HSM85M156 | 85 | 780*668*35 | 4*9 | 0.1932 | 0.1631 | 19.2 | 4.43 | 23.52 | 4.85 | 6.1 | |
| HSM80M156 | 80 | 780*668*35 | 4*9 | 0.1819 | 0.1535 | 18.4 | 4.35 | 22.54 | 4.76 | 6.1 | |
| HSM70M156 | 70 | 640*668*28 | 4*9 | 0.1989 | 0.1637 | 19.11 | 3.67 | 23.41 | 4.02 | 4.8 | |
| HSM65M156 | 65 | 640*668*28 | 4*9 | 0.1847 | 0.152 | 18.6 | 3.5 | 22.79 | 3.83 | 4.8 | |
| HSM60M156 | 60 | 640*668*28 | 4*9 | 0.1696 | 0.1403 | 18.35 | 3.27 | 22.48 | 3.58 | 4.8 | |
| HSM55M156 | 55 | 545*668*28 | 4*9 | 0.1875 | 0.151 | 18.77 | 2.94 | 22.99 | 3.22 | 4 | |
| HSM50M156 | 50 | 630*550*28 | 4*9 | 0.1794 | 0.1443 | 18.45 | 2.72 | 22.6 | 2.98 | 4.2 | |
| HSM45M156 | 45 | 630*668*28 | 4*9 | 0.1614 | 0.1298 | 18.25 | 2.47 | 22.36 | 2.7 | 4.2 | |
| HSM40M156 | 35 | 655*350*28 | 2*18 | 0.1989 | 0.1526 | 18.58 | 1.89 | 22.76 | 2.07 | 2.8 | |
| HSM30M156 | 30 | 560*350*28 | 2*18 | 0.2046 | 0.153 | 18.67 | 1.61 | 22.87 | 1.76 | 2.2 | |
| HSM25M156 | 25 | 500*350*28 | 2*18 | 0.1989 | 0.1428 | 18.53 | 1.35 | 22.7 | 1.48 | 2 | |
| HSM20M156 | 20 | 440*350*28 | 2*18 | 0.1819 | 0.1393 | 18.46 | 1.09 | 22.61 | 1.19 | 1.9 | |
| HSM15M156 | 15 | 350*350*18 | 4*9 | 0.1706 | 0.1214 | 18.51 | 0.82 | 22.67 | 0.9 | 1.7 | |
| HSM10M156 | 10 | 245*350*18 | 4*9 | 0.1819 | 0.1166 | 18.47 | 0.55 | 22.63 | 0.6 | 1.2 | |
| HSM5M156 | 5 | 245*190*18 | 4*9 | 0.1819 | 0.1074 | 18.31 | 0.28 | 22.43 | 0.31 | 0.7 | |

WINNER SOLAR



NO.123 NORTH HENGSHAN ROAD Luoyang, China
 Sales Line: 0086 379 65188718
 Http://www.winner-solar.net
 E-mail:sales@winner-solar.com