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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

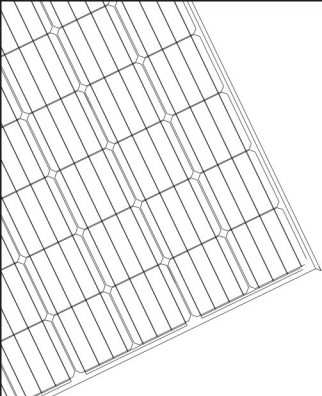
**Luo Yang Winners Solar Technology Co., Ltd**

**HSM5-385M**

**HSM200M125**

Also available on the web at

[EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm200m125](http://EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm200m125)



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    |            |

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