

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

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

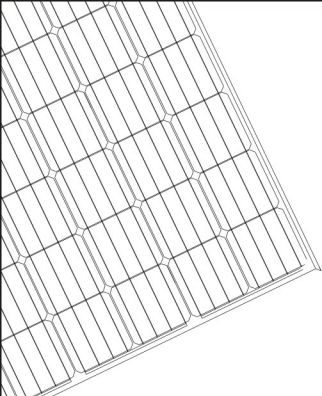
**Luo Yang Winners Solar Technology Co., Ltd**

**HSM5-385M**

**HSM345M156**

Also available on the web at

[EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm345m156](http://EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm345m156)











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