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# **EnergyPal**

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

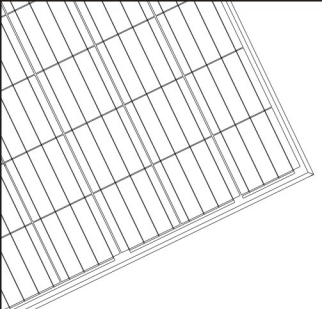
**Luo Yang Winners Solar Technology Co., Ltd**

**HSM5-345P**

**HSM85P156**

Also available on the web at

[EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm85p156](http://EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm85p156)



THE Mustang<sup>®</sup> MODULE  
**HSM5-345P**  
 Poly 5~345W



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

## Module Characteristics



**Easy to be installed in large-scale**  
 High energy density, facilitate to reduce installation time and BOS cost



**One of the industrial most-trusted modules**  
 Excellent performance which has undergone on-site verification in the field  
 Powerful and trustworthy supplier



**Durable to severe environmental conditions**  
 Wind load of 2400 Pa  
 Snow load of 5400 Pa  
 Heavy hail of 25MM, with speed of 82km/hr



**High durability**  
 Use tempered glass of 3.2mm, increase the module's durability

 Small fever Power generation performance excellent	 Life cycle Guaranteed power generation
 Wide range of applications	 low cost Cost-effective

Higher conversion efficiency reduces system cost per watt

## Poly 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)
HSM345P156	345	1956*992*40	6*12	0.195	0.18	38.16	9.05	46.34	9.51	22
HSM340P156	340	1956*992*40	6*12	0.1922	0.1752	37.8	8.99	46.2	9.42	22
HSM335P156	335	1956*992*40	6*12	0.1894	0.1726	37.6	8.91	46	9.35	22
HSM330P156	330	1956*992*40	6*12	0.1865	0.17	37.4	8.83	45.8	9.28	22
HSM325P156	325	1956*992*40	6*12	0.1837	0.1674	37.2	8.73	45.6	9.19	22
HSM320P156	320	1956*992*40	6*12	0.1809	0.1649	37.1	8.63	45.5	9.15	22
HSM315P156	315	1956*992*40	6*12	0.1781	0.1623	36.85	8.56	43.91	9.1	22
HSM310P156	310	1956*992*40	6*12	0.1752	0.1597	36.55	8.51	43.69	8.96	22
HSM285P156	285	1640*992*35	6*10	0.1933	0.1722	31.8	8.99	38.6	9.42	18.5
HSM280P156	280	1640*992*35	6*10	0.1899	0.1711	31.3	8.95	38.5	9.35	18.5
HSM275P156	275	1640*992*35	6*10	0.1865	0.168	31.2	8.82	38.4	9.32	18.5
HSM270P156	270	1640*992*35	6*10	0.1832	0.166	30.86	8.78	38.32	9.28	18.5
HSM265P156	265	1640*992*35	6*10	0.1789	0.163	30.71	8.63	37.87	9.24	18.5
HSM260P156	260	1640*992*35	6*10	0.1764	0.16	30.56	8.51	36.7	9.11	18.5
HSM170P156	170	1482*676*35	4*9	0.1922	0.1713	19.23	8.85	23.26	9.52	11
HSM165P156	165	1482*676*35	4*9	0.1865	0.1663	19.1	8.64	22.92	9.33	11
HSM160P156	160	1482*676*35	4*9	0.1809	0.1613	18.34	8.73	22.01	9.42	11
HSM155P156	155	1482*676*35	4*9	0.1762	0.1562	18.2	8.52	21.85	9.2	11
HSM150P156	150	1482*676*35	4*9	0.1705	0.1512	18.1	8.29	21.75	8.95	11
HSM125P156	125	1130*668*35	4*9	0.1884	0.1655	18.55	6.74	22.26	7.28	8.5
HSM120P156	120	1130*668*35	4*9	0.1809	0.1589	18.2	6.6	21.84	7.12	8.5
HSM115P156	115	1015*668*35	4*9	0.195	0.1696	18.94	6.08	22.73	6.56	8
HSM110P156	110	1015*668*35	4*9	0.1865	0.1622	18.6	5.92	22.32	6.4	8
HSM105P156	105	1015*668*35	4*9	0.179	0.1548	18.3	5.74	21.96	6.2	8
HSM100P156	100	1015*668*35	4*9	0.1705	0.1474	18.2	5.5	21.85	5.94	8
HSM90P156	90	780*668*35	4*9	0.2035	0.1727	19.54	4.61	23.44	4.98	6.1
HSM85P156	85	780*668*35	4*9	0.1922	0.1631	19.1	4.46	23	4.8	6.1
HSM80P156	80	780*668*35	4*9	0.1809	0.1535	18.3	4.38	21.96	4.73	6.1
HSM70P156	70	640*668*28	4*9	0.1979	0.1637	19.01	3.69	22.82	3.98	4.8
HSM65P156	65	640*668*28	4*9	0.1837	0.152	18.5	3.52	22.2	3.8	4.8
HSM60P156	60	545*668*28	4*9	0.2036	0.1648	19.25	3.12	23.1	3.37	4
HSM55P156	55	545*668*28	4*9	0.1865	0.151	18.67	2.95	22.4	3.19	4
HSM50P156	50	545*668*28	4*9	0.1696	0.1373	18.15	2.76	21.96	2.99	4
HSM30P156	30	655*350*28	2*18	0.1696	0.1308	18.15	1.66	21.8	1.8	2.8
HSM25P156	25	560*350*28	2*18	0.1696	0.1275	18.1	1.39	21.7	1.5	2.2
HSM20P156	20	440*350*28	2*18	0.1809	0.1393	18.36	1.09	21.96	1.18	1.9
HSM15P156	15	350*350*18	4*9	0.1696	0.1214	18.41	0.82	22.1	0.88	1.7
HSM10P156	10	245*350*18	4*9	0.1809	0.1166	18.37	0.55	22.05	0.59	1.2
HSM5P156	5	245*190*18	4*9	0.1809	0.1074	18.21	0.28	21.85	0.31	0.7

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



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