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# **EnergyPal**

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

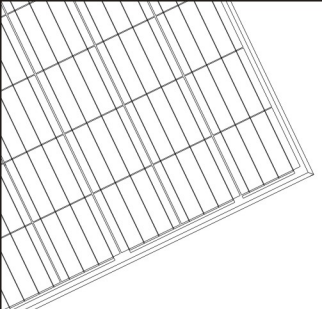
**Luo Yang Winners Solar Technology Co., Ltd**

**HSM5-345P**

**HSM315P156**

Also available on the web at

[EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm315p156](http://EnergyPal.com/luo-yang-winners-solar-technology-co-ltd-solar-panels/hsm315p156)



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.



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