

The Solar Battery

Industry Analysis Report

2012 Annual Report



Made-in-China.com



Produced by IAR Team
Focus Technology Co., Ltd.

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Summary

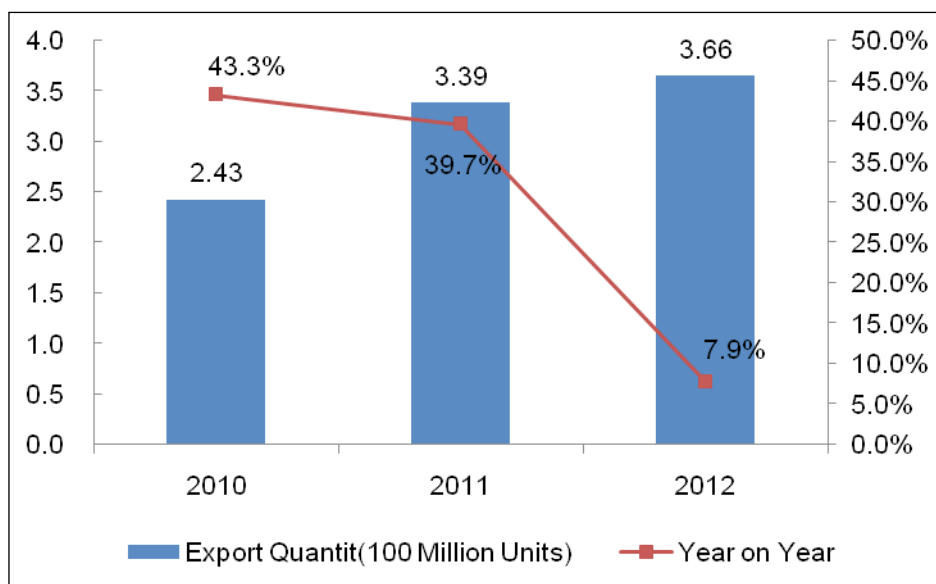
The export volume of China Solar Battery increased 7.9% over the same period before and reached 366 million units between 2010 to 2012, and the export value reached \$ 12.79 billion at 2012, which dropped 43.9% compared with 2011.

The Netherlands is the biggest China solar battery consumption market at 2012, and the proportion is 29.95%, the next two bigger import countries for Chinese solar batteries are Germany and USA, and the proportion are 12.39% and 10.97%.

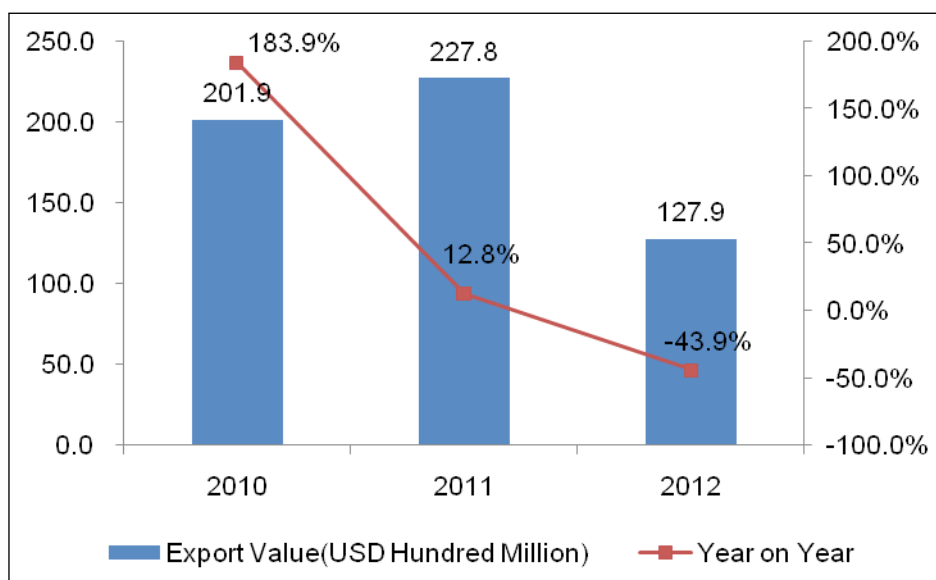
The Major Original Place of Delivered China solar battery distributes in Jiangsu, Zhejiang and Shanghai at 2012. And the corresponding proportion is 59.88%, 12.11% and 9.51%.

1. The export analysis of Chinese solar battery between 2010-2012

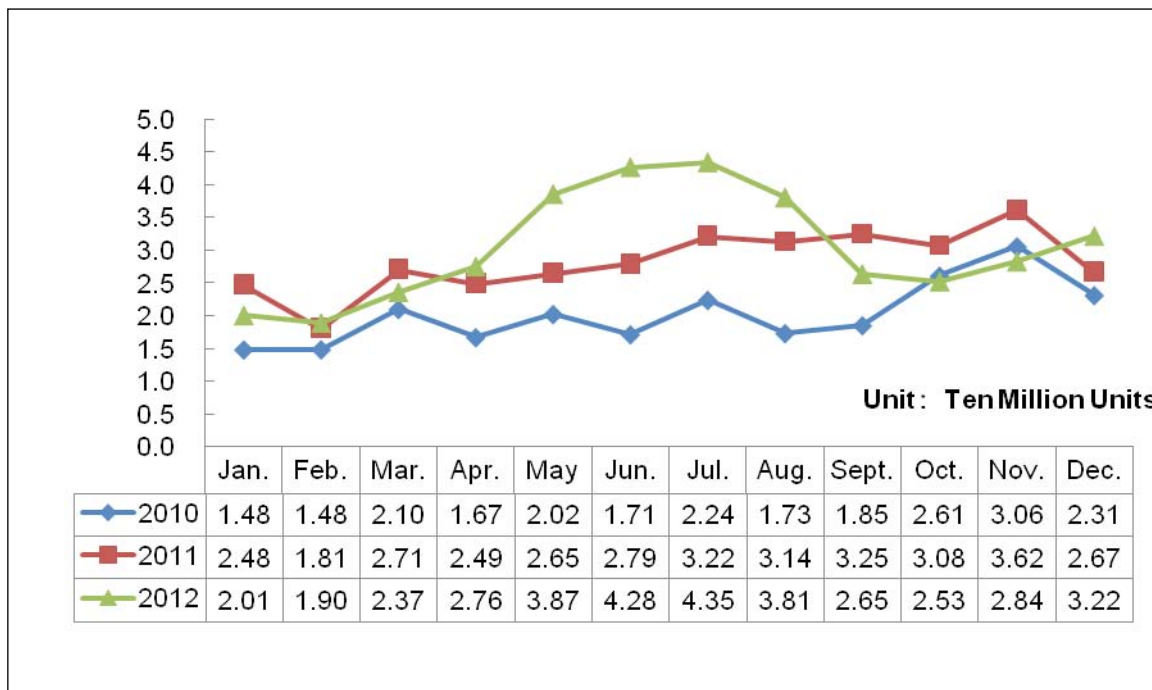
1.1 The annual export volume trend of Chinese solar battery (HS: 85414020) between 2010-2012



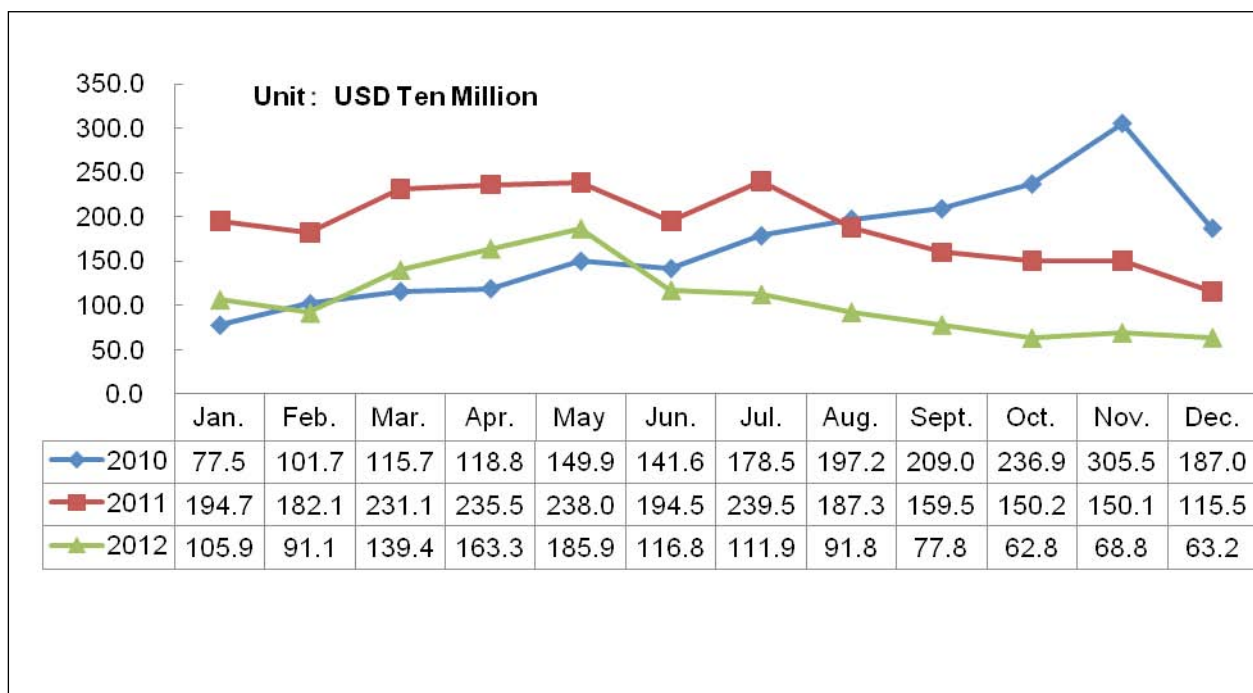
1.2 The annual export value trend of Chinese solar battery (HS: 85414020) between 2010-2012



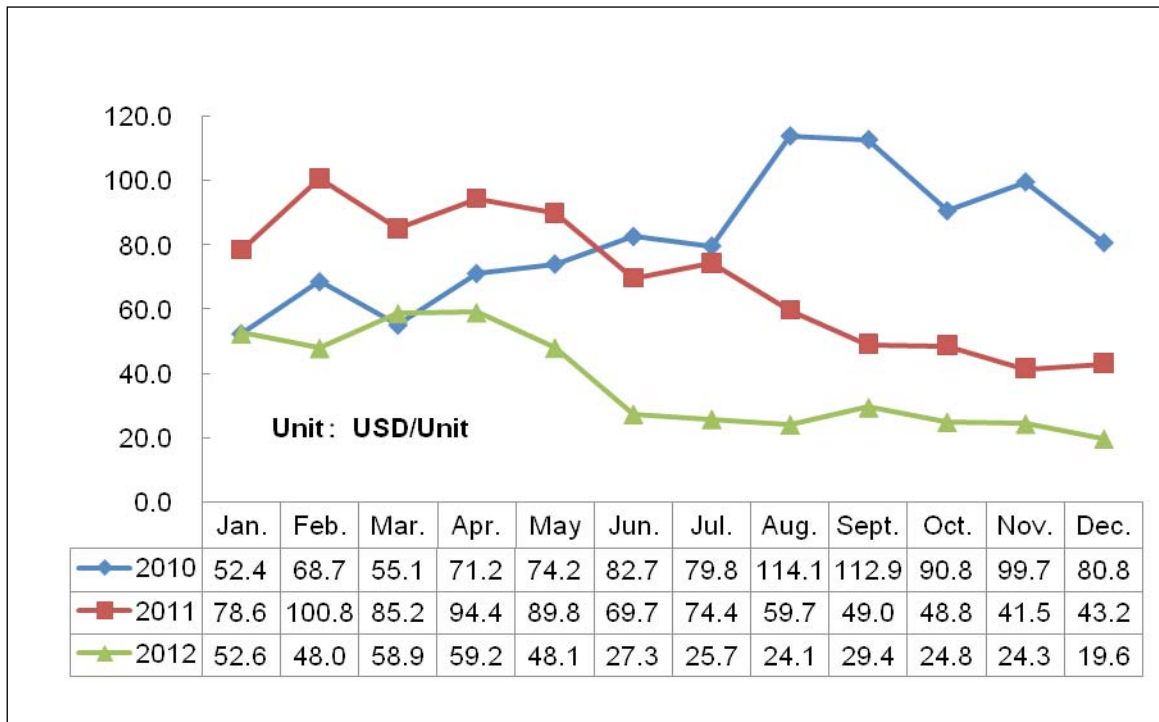
1.3 The monthly export volume trend of Chinese solar battery (HS: 85414020) between 2010-2012



1.4. The monthly export value trend of Chinese solar battery (HS: 85414020) between 2010-2012



1.5. The export unit cost trend of Chinese solar battery (HS: 85414020) between 2010-2012



The export volume of China Solar Battery increased 7.9% over the same period before and reached 366,000,000 units between 2010 to 2012, and the export value reached \$ 12.79 billion at 2012, which dropped 43.9% compared with 2011.

The monthly export volume trend shows that the high export season focuses on May-August of 2012. And the monthly export value trend shows that 2011 is better than 2012, also 2012 export unit cost is lower than 2011.

1.6. Major country/region of China solar battery (HS: 85414020) export between 2010-2012 (ranked by 2012 export value).

No.	Export Country/ Region	Value (USD)			Value increased 2012 over 2010
		2010	2011	2012	
1	Netherlands	3,438,071,998	5,021,618,551	3,829,338,881	11.4%
2	Germany	6,451,300,896	4,814,931,745	1,584,391,899	-75.4%
3	USA	1,042,529,620	2,494,706,438	1,402,203,554	34.5%
4	Belgium	772,503,060	1,614,040,182	995,419,323	28.9%
5	Japan	319,288,434	372,709,874	893,071,735	179.7%
6	Australia	713,368,329	1,004,903,128	741,562,775	4.0%
7	Italy	4,383,955,702	3,573,525,656	723,013,208	-83.5%
8	Ukraine	38,005,860	199,983,667	328,617,494	764.6%
9	Greece	88,466,729	310,922,532	267,645,039	202.5%
10	Thailand	10,538,690	229,116,990	210,255,949	1895.1%
11	UK	52,647,023	300,740,331	209,033,493	297.0%
12	India	80,069,111	491,494,565	193,777,502	142.0%
13	Spain	495,624,553	334,636,956	164,682,670	-66.8%
14	HK	333,098,504	301,765,105	146,248,439	-56.1%
15	France	539,424,156	491,839,598	145,627,421	-73.0%
16	Denmark	3,325,716	14,218,190	126,306,938	3697.9%
17	Korea	104,110,657	57,955,659	109,255,218	4.9%
18	Canada	149,476,864	269,855,470	90,711,222	-39.3%
19	Bulgaria	5,823,377	111,090,819	85,748,346	1372.5%
20	Czech	567,808,523	96,417,442	57,099,695	-89.9%

1.7. The trend of major country/region of China solar battery (HS: 85414020) export marking share between 2010-2012

No	Export Country/Region	Export Value Proportion		
		2010	2011	2012
1	Netherlands ↑	17.03%	22.05%	29.95%
2	Germany ↓	31.95%	21.14%	12.39%
3	USA ↑	5.16%	10.95%	10.97%
4	Belgium ↑	3.83%	7.09%	7.78%
5	Japan ↑	1.58%	1.64%	6.98%
6	Australia ↑	3.53%	4.41%	5.80%
7	Italy ↓	21.71%	15.69%	5.65%
8	Ukraine ↑	0.19%	0.88%	2.57%
9	Greece ↑	0.44%	1.36%	2.09%
10	Thailand ↑	0.05%	1.01%	1.64%
11	UK ↑	0.26%	1.32%	1.63%
12	India	0.40%	2.16%	1.52%
13	Spain ↓	2.45%	1.47%	1.29%
14	HK ↓	1.65%	1.32%	1.14%
15	France ↓	2.67%	2.16%	1.14%
16	Denmark ↑	0.02%	0.06%	0.99%
17	Korea	0.52%	0.25%	0.85%
18	Canada	0.74%	1.18%	0.71%
19	Bulgaria ↑	0.03%	0.49%	0.67%
20	Czech	2.81%	0.42%	0.45%

Note: “↑” means the index keep updating in 2010-2012, “↓” means index keep dropping in 2010-2012.

The statistics by 2012 China's solar battery exports shows that 2012 top twenty export markets of China solar battery are Netherlands, Germany, USA, Belgium, Japan, Australia, Italy, Ukraine, Greece, Thailand, UK, India, Spain, HK, France, Denmark, Korea, Canada, Bulgaria and Czech.

Between 2010 to 2012, China solar battery export value keeps big increased to Japan, Ukraine, Greece, Thailand, UK, India, Denmark and Bulgaria. And the corresponding increased rates are 179.7%, 764.6%, 202.5%, 1895.1%, 297.0%, 142.0%, 3697.9% and 1372.5%. During 3 years, the countries kept increasing marketing share of export value are Netherlands, USA, Belgium, Japan, Australia, Ukraine, Greece, Thailand, UK, Denmark and Bulgaria.

2. The Analysis of 2012 China solar battery export

2.1. The monthly export volume and value of China solar battery (HS: 85414020) in 2012

Month	Volume (units)	Value (USD)	Volume compared with the same period of last year	Value compared with the same period of last year
Jan	20,145,939	1,059,373,317	-18.7%	-45.6%
Feb	18,986,917	911,445,085	5.1%	-49.9%
Mar	23,679,109	1,393,774,720	-12.7%	-39.7%
Apr	27,595,049	1,632,701,463	10.6%	-30.7%
May	38,653,005	1,859,317,428	45.9%	-21.9%
Jun	42,752,314	1,167,716,269	53.1%	-40.0%
Jul	43,500,488	1,119,334,411	35.1%	-53.3%
Aug	38,135,557	918,204,893	21.6%	-51.0%
Sep	26,457,548	778,119,998	-18.7%	-51.2%
Oct	25,292,856	627,873,964	-17.8%	-58.2%
Nov	28,368,221	688,225,555	-21.6%	-54.2%
Dec	32,245,710	631,607,022	20.7%	-45.3%
Total	365,812,713	12,787,694,125	7.9%	-43.9%

2.2. Major country/region of China solar battery (HS: 85414020) export in 2012 (Ranked by export value)

Country/Region	Value (USD)	Ratio	Proportion
Total	12,787,694,125	-43.9%	100.00%
Netherlands	3,829,338,881	-23.7%	29.95%
Germany	1,584,391,899	-67.1%	12.39%
USA	1,402,203,554	-43.8%	10.97%
Belgium	995,419,323	-38.3%	7.78%
Japan	893,071,735	139.6%	6.98%
Australia	741,562,775	-26.2%	5.80%
Italy	723,013,208	-79.8%	5.65%
Ukraine	328,617,494	64.3%	2.57%
Greece	267,645,039	-13.9%	2.09%
Thailand	210,255,949	-8.2%	1.64%

2.3. The Chinese solar battery (HS: 85414020) export enterprises distribution in 2012 (Ranked by export value)

Region	Total Value between 1 and 12 (USD)	Proportion
Jiangsu	7,657,763,543	59.88%
Zhejiang	1,549,187,693	12.11%
Shanghai	1,216,072,812	9.51%
Jiangxi	505,805,972	3.96%
Guangdong	465,316,595	3.64%

The Netherlands is the biggest China solar battery consumption market at 2012, and the proportion is 29.95%, the next two bigger import countries for Chinese solar batteries are Germany and USA, and the proportion are 12.39% and 10.97%.

The Major Original Place of Delivered China solar battery distributes in Jiangsu, Zhejiang and Shanghai at 2012. And the corresponding proportion are 59.88%, 12.11% and 9.51%.

Data Source: China Custom

3. Global Solar Battery Industry Demand Analysis

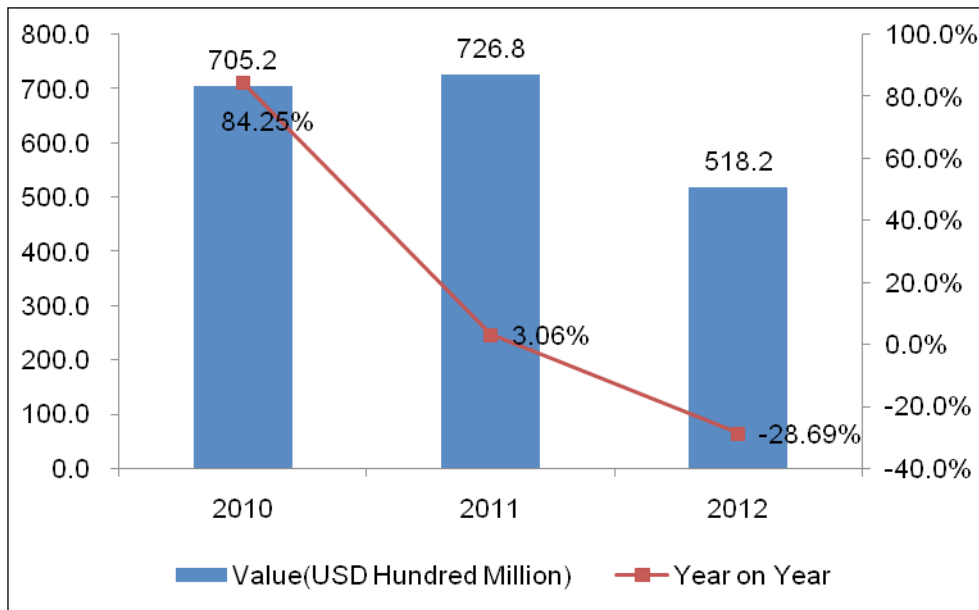
Note:

HS: 854140

Photosensitive semiconductor device, photovoltaic batteries & light emitting diodes (except solar battery)

3.1. Global Solar battery (HS: 854140) demand Analysis

3.1.1. The trend of global solar battery demand between 2010 and 2012 (HS: 854140)



3.1.2. Major Solar Battery Demand Country/Region in 2012

No.	Import Country/Region	Import Value (a Thousand USD)	Compared with the same period of 2011
1	China	7,870,614	-1.68%
2	USA	7,259,857	0.93%
3	Germany	5,931,428	-52.08%
4	Netherlands	5,217,595	-28.53%
5	Japan	3,094,011	34.15%
6	Korea	3,029,125	7.36%
7	Italy	2,907,941	-69.38%
8	Belgium	1,555,814	-42.05%
9	Taiwan	1,224,480	-0.32%
10	Mexico	1,207,769	9.12%
11	Greece	1,031,091	30.65%
12	France	1,012,978	-68.29%
13	Australia	1,010,087	-33.59%
14	UK	883,387	-41.50%
15	India	876,039	-32.55%
16	Bulgaria	735,410	78.94%
17	Singapore	729,405	-19.43%
18	Thailand	683,065	4.38%
19	Canada	510,205	-48.66%
20	Spain	469,554	-62.85%

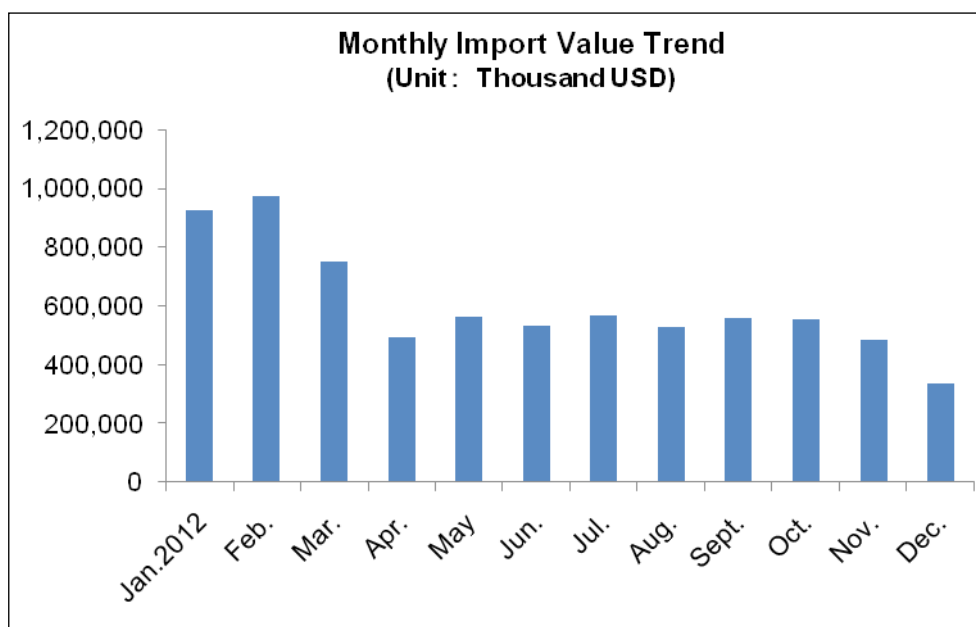
The global solar battery import value reached \$ 72.68 billion at 2011, increased 3.06% year to year ratio. But \$ 51.82 billion at 2012 only, dropped 28.69% compared with last year.

2012 major solar battery demand country/Region includes: China, USA, Germany, Netherlands, Japan, Korea, Italy, Belgium, Taiwan, Mexico, Greece, France, Australia, UK, India, Bulgaria, Singapore, Thailand, Canada and Spain.

3.2. Major Solar Battery Consumption Market Analysis (HS: 854140)

3.2.1. USA Solar Battery Demand Analysis (HS: 854140)

- Monthly Trend of USA Solar Battery Import Value in 2012



- Major country/region of USA solar battery import in 2012 (Ranked by import value)

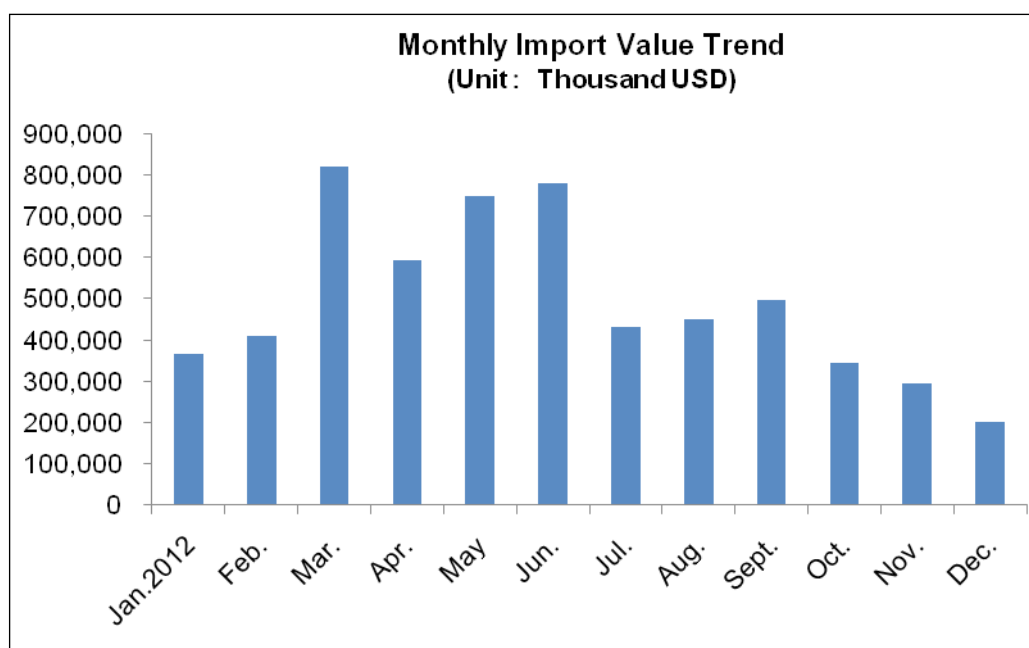
No.	Import Country/Region	Import Value (a thousand USD)	Proportion
1	China	2,311,244	31.84%
2	Malaysia	1,785,740	24.60%
3	Japan	679,045	9.35%
4	Mexico	549,969	7.58%
5	Taiwan	480,683	6.62%
6	Philippines	442,257	6.09%
7	Korea	350,062	4.82%
8	Germany	241,718	3.33%
9	Singapore	94,210	1.30%
10	Canada	81,691	1.13%

The major original places of solar battery delivered include: China, Malaysia, Japan, Mexico, Taiwan, Philippines, Korea, Germany, Singapore and Canada. As first one, the import value from China reached 2,311,244 a thousand U.S. Dollars in 2012, and the proportion was 31.84%. The next one is Malaysia, which took 24.60% marketing share.

Monthly trend of USA solar battery import value in 2012 shows that the first season took maximum for the annual amount of imports

3.2.2. Germany Solar Battery Demand Analysis (HS: 854140)

- Monthly Trend of Germany Solar Battery Import Value in 2012



- Major country/region of Germany solar battery import in 2012 (Ranked by import value)

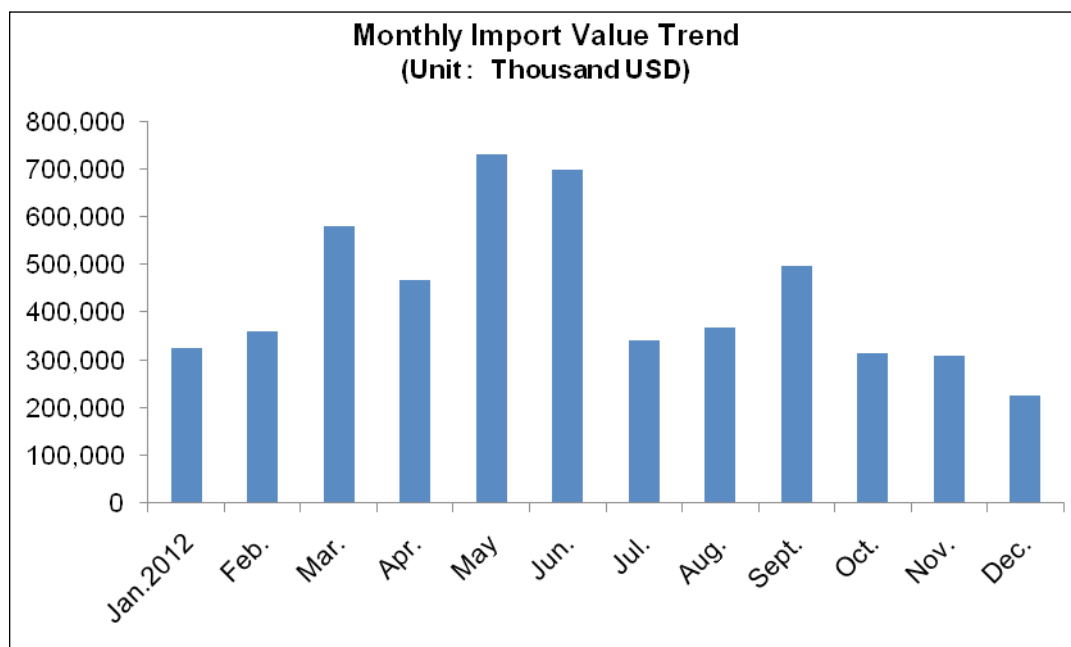
No.	Import Country/Region	Import Value (a thousand USD)	Proportion
1	China	2,405,151	37.17%
2	Netherlands	1,734,205	26.80%
3	Malaysia	361,549	5.59%
4	Taiwan	341,223	5.27%
5	USA	186,879	2.89%
6	Poland	179,674	2.78%
7	Japan	168,087	2.60%
8	Italy	146,251	2.26%
9	Czech	144,779	2.24%
10	Belgium	131,110	2.03%

The major original places of solar battery delivered include: China, Netherlands, Malaysia, Taiwan, USA, Poland, Japan, Italy, Czech and Belgium. As first one, the import value from China reached 2,405,151 a thousand U.S. Dollars in 2012, and the proportion was 37.17%. The next one is Netherlands, which took 26.8% marketing share.

Monthly trend of USA solar battery import value in 2012 shows that the second half year is lower the first half for the annual amount of imports.

3.2.3. Netherlands Solar Battery Demand Analysis (HS: 854140)

- Monthly Trend of Netherlands Solar Battery Import Value in 2012



- Major country/region of Netherlands solar battery import in 2012 (Ranked by import value)

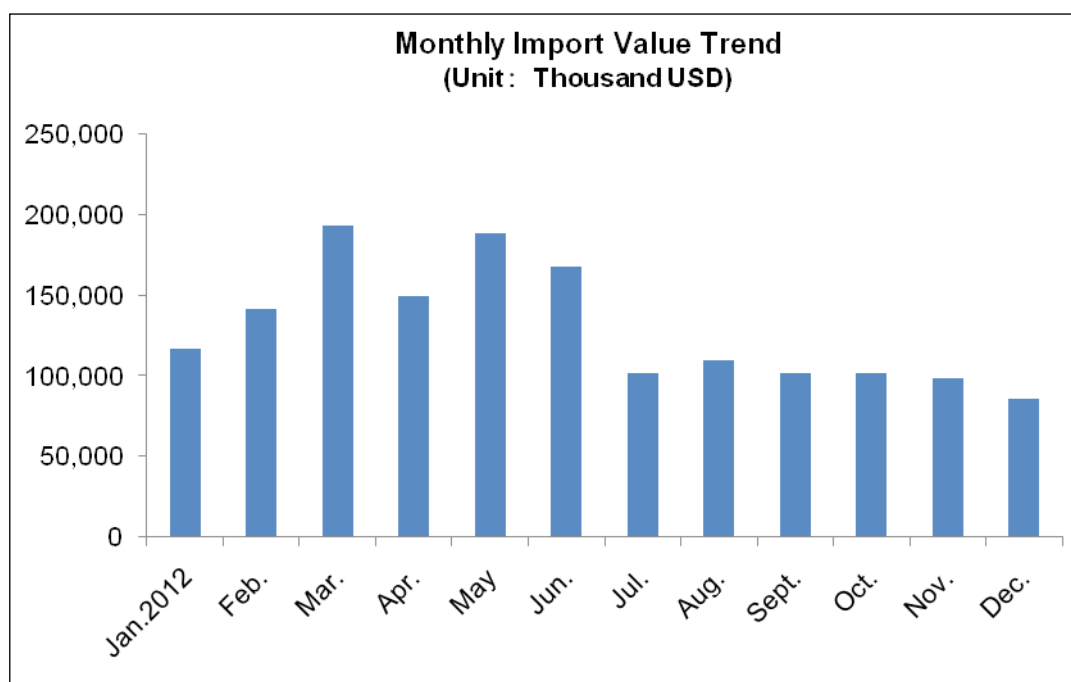
No.	Import Country/Region	Import Value (a thousand USD)	Proportion
1	China	4,019,069	76.72%
2	Singapore	473,588	9.04%
3	Philippines	137,249	2.62%
4	Germany	135,849	2.59%
5	Taiwan	133,396	2.55%
6	Malaysia	125,361	2.39%
7	France	31,486	0.60%
8	India	31,430	0.60%
9	Korea	29,567	0.56%
10	Japan	29,522	0.56%

The major original places of solar battery delivered include: China, Singapore, Philippines, Germany, Taiwan, Malaysia, France, India, Korea and Japan. As first one, the import value from China reached 4,019,069 a thousand U.S. Dollars in 2012, and the proportion was 76.72%, which took huge competitive advantage.

Monthly trend of Netherlands solar battery import value in 2012 shows that the second half year is lower the first half for the annual amount of imports.

3.2.4. Belgium Solar Battery Demand Analysis (HS: 854140)

- Monthly Trend of Belgium Solar Battery Import Value in 2012



- Major country/region of Belgium solar battery import in 2012 (Ranked by import value)

No.	Import Country/Region	Import Value (a thousand USD)	Proportion
1	China	962,894	60.79%
2	Netherlands	226,569	14.31%
3	Germany	187,621	11.85%
4	Luxembourg	53,456	3.38%
5	France	32,300	2.04%
6	Korea	23,503	1.48%
7	Spain	16,567	1.05%
8	Austria	11,546	0.73%
9	Japan	10,901	0.69%
10	HK	8,440	0.53%

The major original places of solar battery delivered include: China, Netherlands, Germany, Luxembourg, France, Korea, Spain, Austria, Japan and HK. As first one, the import value from China reached 962,894 a thousand U.S. Dollars in 2012, and the proportion was 60.79%.

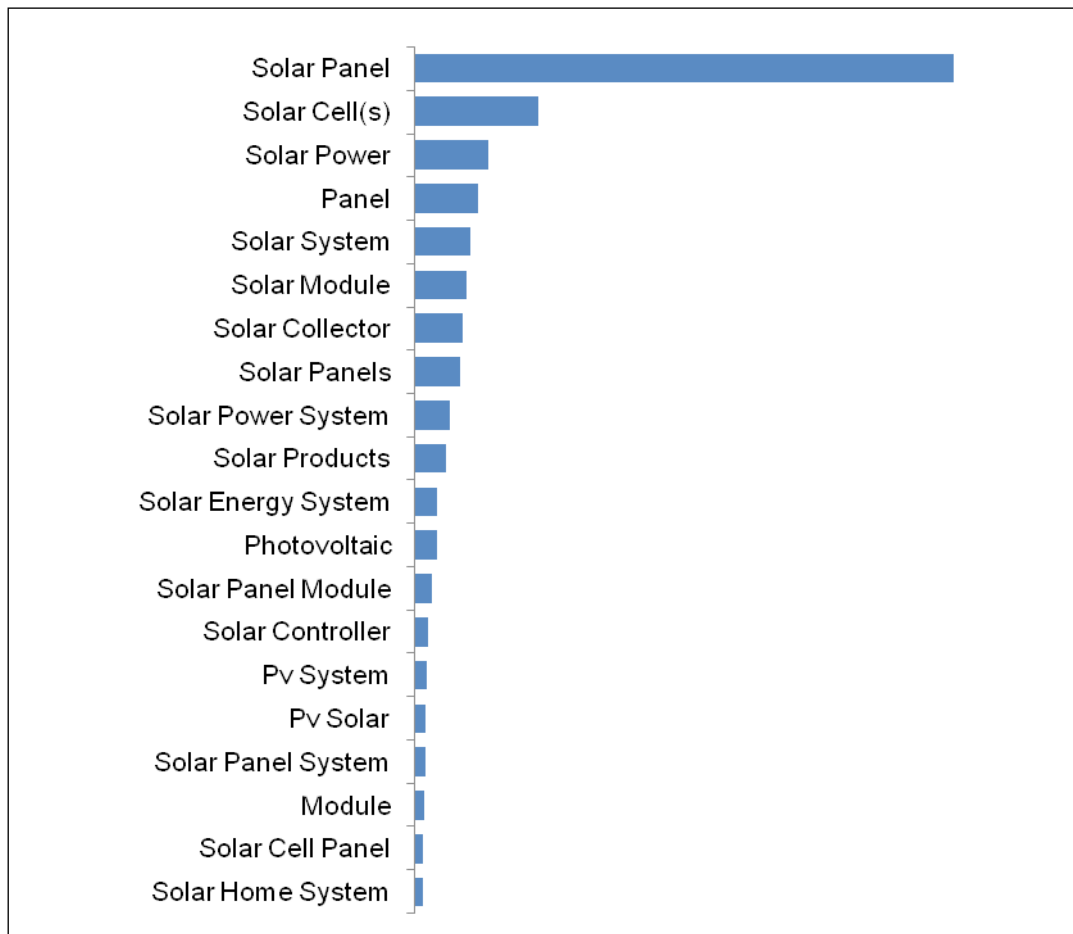
Monthly trend of Belgium solar battery import value in 2012 shows that the second half year is lower the first half for the annual amount of imports.

Data Source: UN COMTRADE

4. The Solar Batteries & Panels Industry Data Analysis from Made-in-China.com

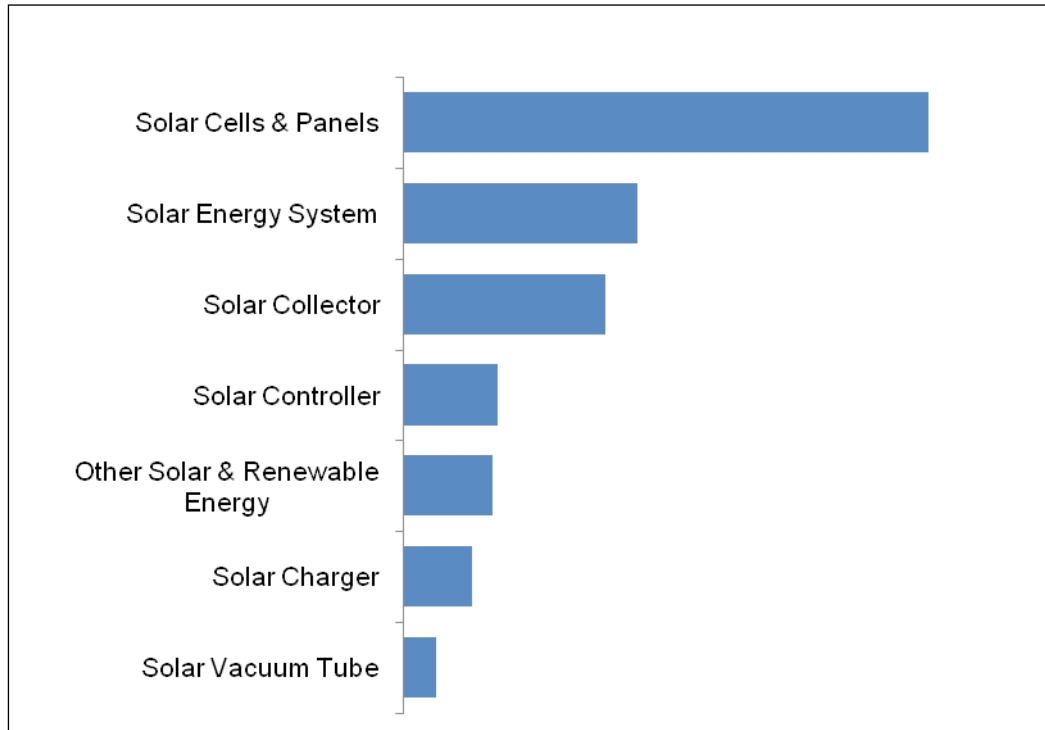
4.1. The Solar Batteries & Panels Industry Hot Sourcing Keywords of Made-in-China.com

Data Statistical time: Jan.2013 - Mar.2013



As statistics during Jan.2013 to Mar.2013 by Made-in-China.com shows that Solar Battery s & Panels Industry Hot Sourcing Keywords include: Solar Panel, Solar Battery (s), Solar Power, Panel, Solar System, Solar Module, Solar Collector, Solar Panels, Solar Power System, Solar Products etc.

4.2. 2012 Solar & Renewable Energy Industry Degree of Concern Ranking (By clicks)



Source: Made-in-China.com

The IAR Team of Made-in-China.com dedicates to surveying,excavating and collating industry information for supplying the service of timely and exact information analysis, providing necessary information and dates for clients'decision.

Thanks for reading the report, if you have any questions,opinions or advices, please contact us.

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