

正泰太阳能

# THE POWER OF ASTRONERGY

## Corporate Introduction



**ASTRONERGY**



Founded in **2006**



Capacity: **2.5GW** crystalline cells  
and modules



Employees: **3000+**



Revenue: > **\$1 Billion**



**4** Production Sites:

Hangzhou | Haining | Germany | Thailand



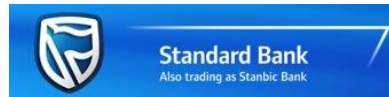
Shanghai Stock Exchange Listed

**601877**



**Bloomberg**  
NEW ENERGY FINANCE

Tier 1 Supplier





# Top 20 PV Module suppliers by Bloomberg

ASTRONERGY

**Bloomberg**  
NEW ENERGY FINANCE

## Top bankable PV module brands in 2016

% share of respondents

Bloomberg New Energy Finance

### Ranked by % share of respondents

Rank	PV Module Manufacturer	'Yes'	'No'	'Never Heard'
1	Trina	100%	0%	0%
2	Hanwha Q Cells	95%	5%	0%
3	SunPower	95%	5%	0%
4	First Solar	95%	5%	0%
5	Canadian Solar	95%	0%	5%
6	JA Solar	91%	5%	5%
7	Kyocera	91%	9%	0%
8	Jinko	88%	14%	0%
9	Mitsubishi	88%	9%	5%
10	Panasonic	77%	14%	9%
11	LG Electronics	73%	14%	14%
12	REC Solar	73%	23%	5%
13	Samsung	73%	9%	18%
14	Sharp	73%	27%	0%
15	Renesola	68%	32%	0%
16	Solar Frontier	68%	18%	14%
17	SolarWorld	64%	18%	18%
18	Chint/ Astronergy	59%	18%	23%
19	Hyundai Heavy	59%	18%	23%
20	SunEdison	59%	32%	9%

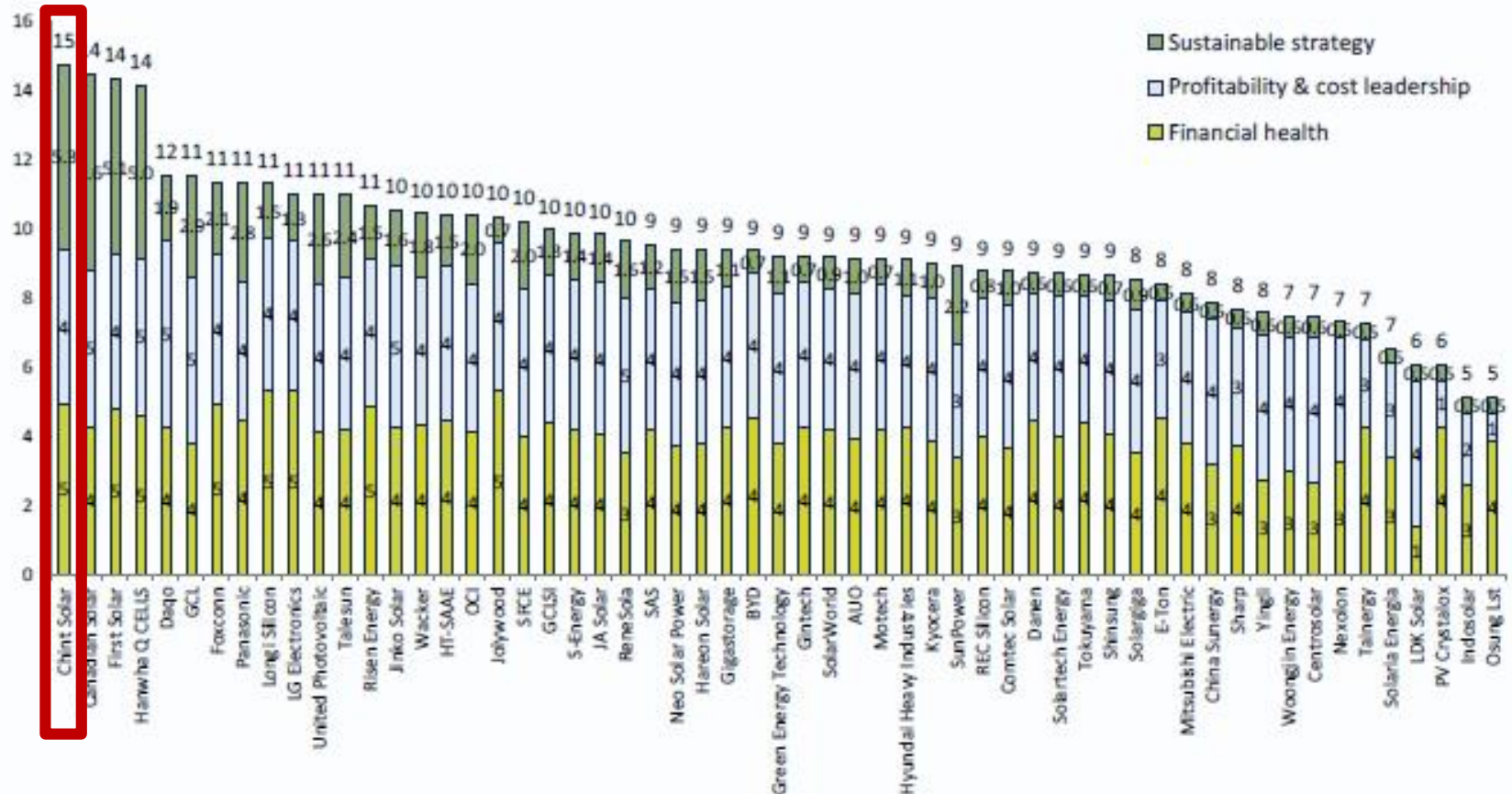
Note: We surveyed banks, technical consultants, EPCs, asset managers and independent power producers (IPPs) which PV module brands they considered 'bankable' out of a list of 50.

Respondents could choose between three options for each brand: "Yes", "No", and "Never heard of the company"

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Chint/Astronergy was listed in the TOP20.

1. Physiological health: Current financial health (balance sheet-focused)
2. Exertion efficiency + Profitability + cost leadership (income statement-focused)
3. Versatility (a set of athletic skills)

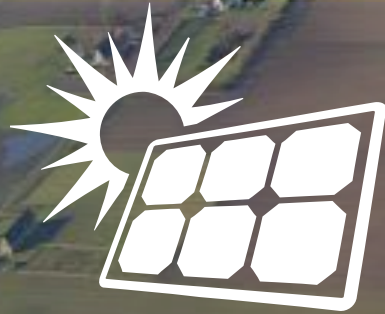


Source: PHOTON Consulting, LLC, Bloomberg. Note: All data are rough estimates. Analysis includes public disclosure by companies as of March 30, 2017. Sustainable strategy is assigned twice the weight and is seen in the corresponding dark blue columns appearing twice as long as either of the two other columns.

**Chint Solar, Canadian Solar, First Solar, Hanwha Q CELLS and Daqo leading the pack**







**1.6 GW / Year  
Module Sales**



**2,200,000,000 kWh  
Electricity Generated**



**3.2GW  
Solar Power Plants  
Connected**



**12,462 Houses  
Commissioned**



Founded in **1984**

Revenue: **\$8 Billion**

Assets: **\$7 Billion**

Employees: **30,000 +**

- Chint Group has developed to be the leader in Chinese industrial electrical equipment production and clean energy fields.





# Integration of CHINT Group

ASTRONERGY

- Biggest supplier of low-voltage products in Asia
- **40%** of Domestic Market Share in Low-Voltage Electronics and Components
- **2200** Distributors in China
- Sales in **100** Countries





# Astronergy Value Chain Coverage

ASTRONERGY

Capacity Expansion (MW)



- Reach 2.5GW (300MW in Germany)
- Global production: Germany | Thailand
- Astronergy is also going downstream to provide clients with the total system solution from the Chint Group

