

Neo Solar Power Corporation

December 18, 2014



NSP at A Glance

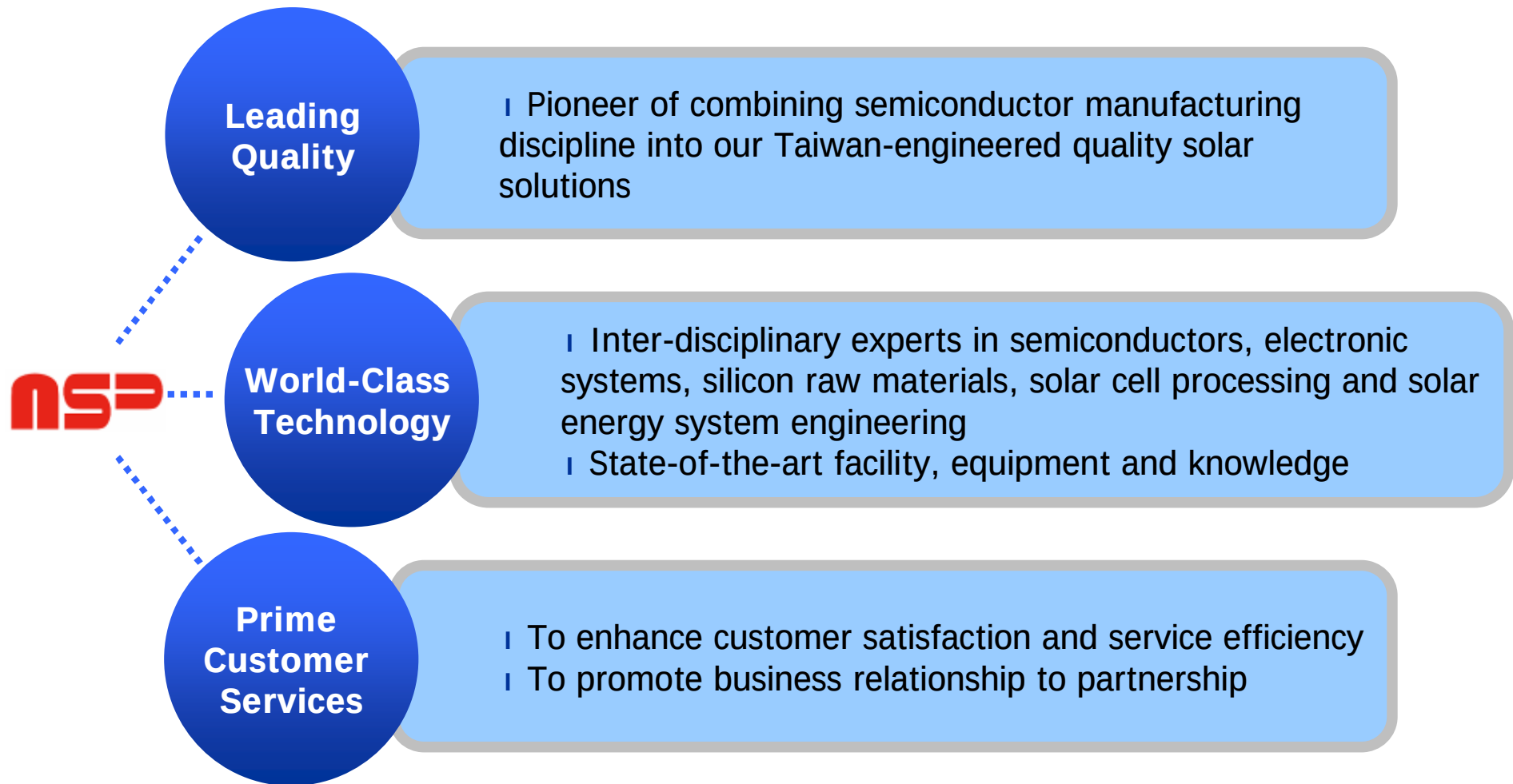
- | **Founded: December, 2005**
- | **Products: cells and modules**
- | **2014 Year-End Capacity:**
 - Cell: > 2.20 GW
 - Module: > 480 MW
- | **Employees: 3,600**
- | **Headquarters: Hsinchu, Taiwan**
- | **Listed in Taiwan Stock Exchange**
 - | **Market Cap US\$1.14 Billion at the end of 2013**
- | **The world's largest merchant cell company**



Milestones

- | **2005.12: NSP founded**
- | **2006.12: Breakeven and 100% utilization achieved**
- | **2009.01: Listed on the Taiwan Stock Exchange**
- | **2010.10: Launched "Super 17" (multi) & "Perfect 18" (mono) cells**
- | **2011.09: Launched mono cell "Black 19" at EU PVSEC**
- | **2012.09: Announced "Super 18" and "Black 19+"**
- | **2013.05: Merged with DelSolar**
- | **2013.10: Awarded "Taiwan Excellent PV Product" by the Bureau of Energy, Taiwan**
- | **2013.10: Launched "Super19", "Black20" cells and "BiFi" bifacial module at PV Taiwan**
- | **2014.06: Launched "Super" (multi), "Power" (mono) module, and half-cut module "PowerH" at InterSolar EU 2014**
- | **2014.06: More than 5 GW of Cells and Modules shipped globally since 2005**

Core Competences



The Executives



Dr. Quincy Lin

Chairman

- | 30+ years of experience in high tech management
- | Senior Vice President of Taiwan Semiconductor Manufacturing Company (TSMC)
- | Honorary Chair in Management at National Chiao-Tung University



Dr. Sam Hong

CEO

- | 30+ years of experience in PV solar energy
- | Research Division Director of PV Solar Energy Division at the Industrial Technology Research Institute (ITRI); VP & Plant Director of Sinonar Solar Cell
- | Chairman of Taiwan Photovoltaic Industry Association (TPVIA)

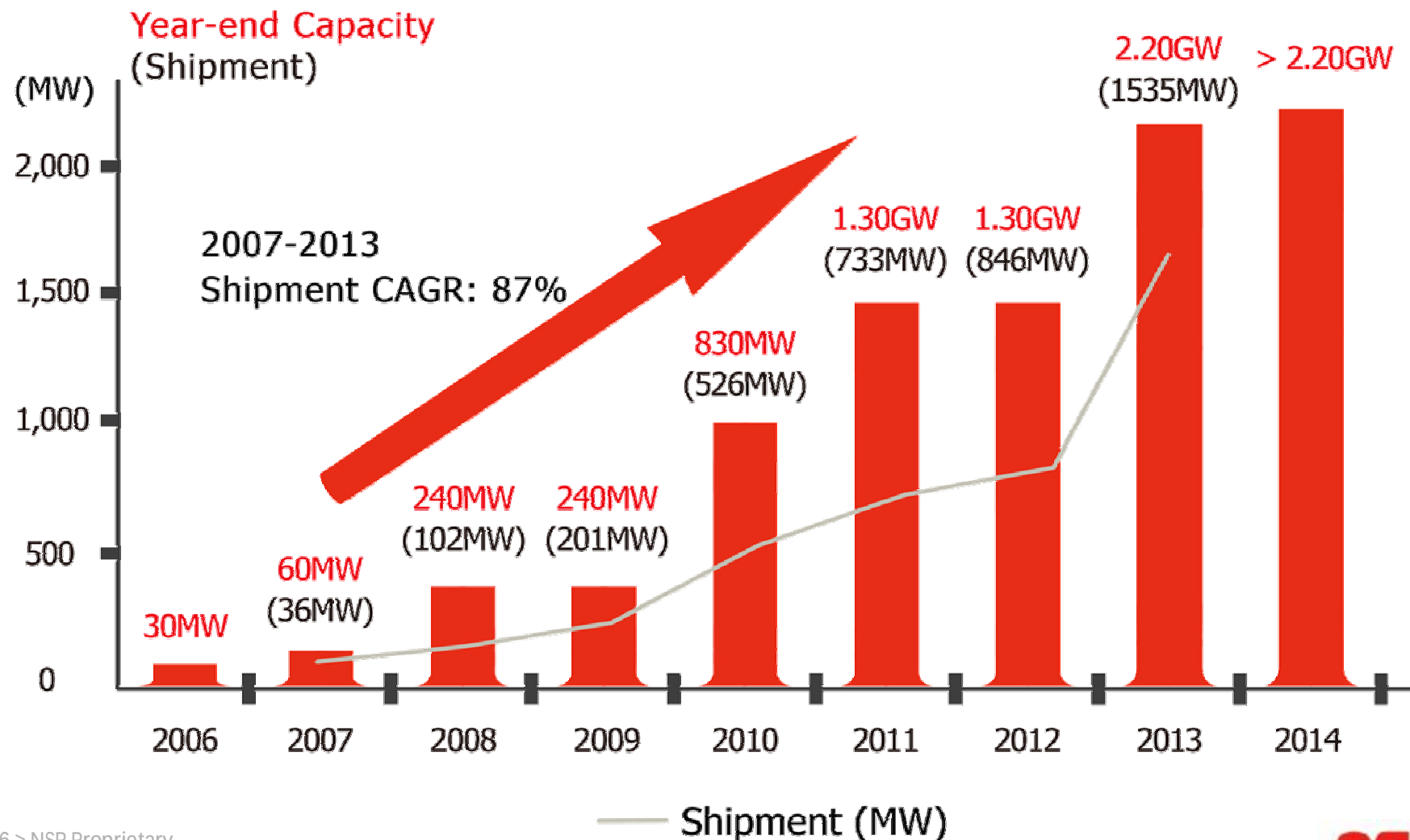


Mr. Andy Shen

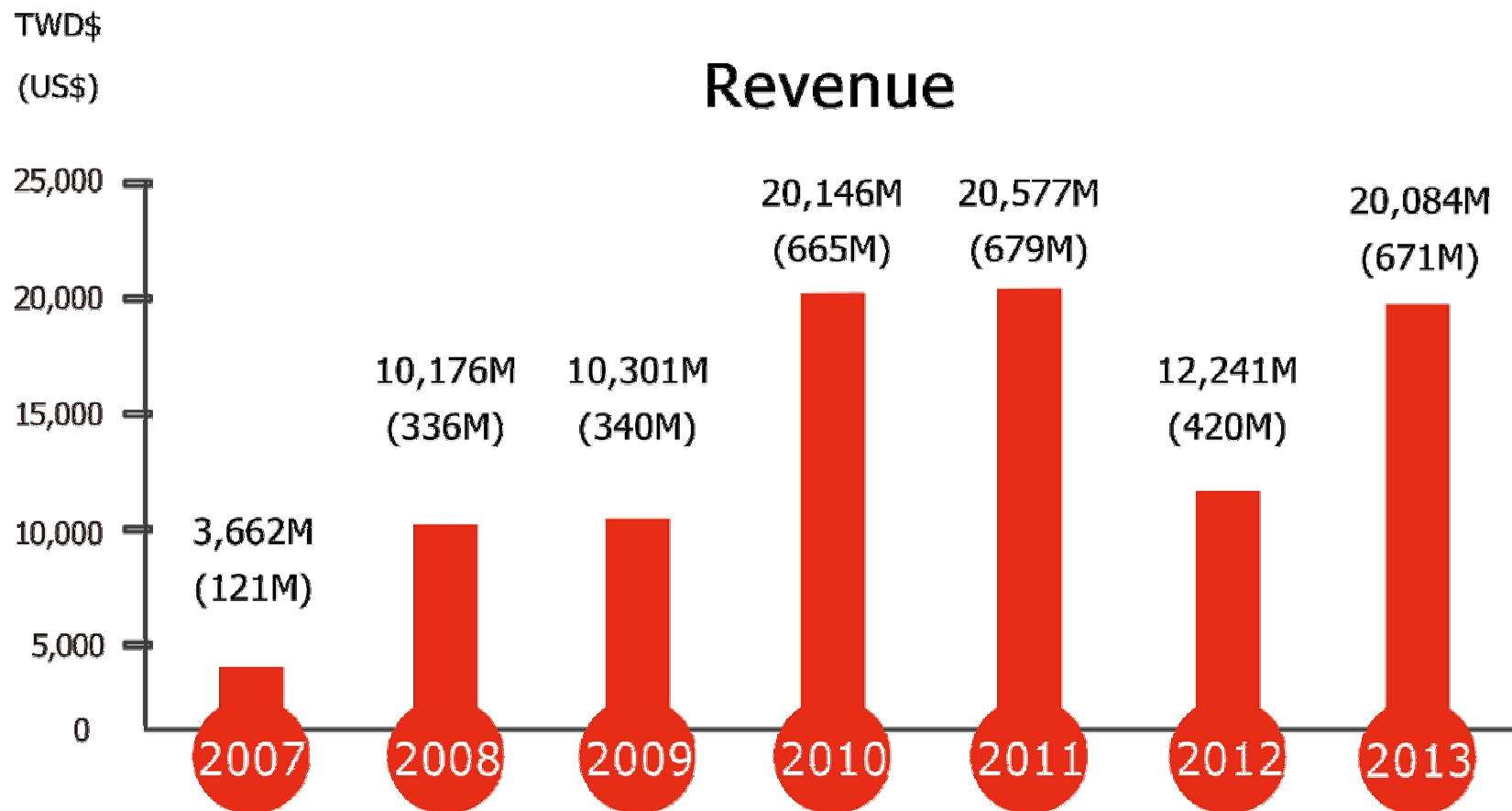
President

- | 30+ years of experience in semiconductor engineering, sales and marketing
- | Senior Director, TSMC
- | Managing Director, TSMC-Europe

Strong Growth Momentum



Revenue Growth



- 2012 revenue declined despite 15.4% shipment growth due to ASP erosion

Cell Capacity Overview

Current Total Capacity: 2,200 MW

Year-end Capacity 2014: > 2,200 MW

China : 400 MW

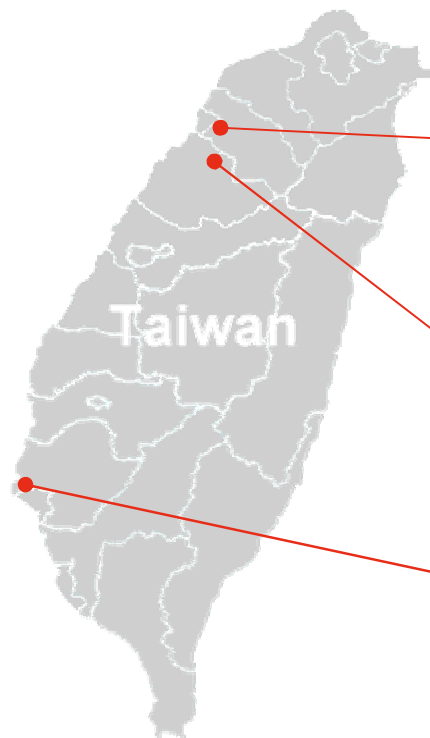


FAB 6



Wujiang, Suzhou

Taiwan : 1,800 MW



FAB 2 & HQ

Hsinchu Science Park



FAB 5

Chunan Science Park



FAB 3

Tainan Tech. Ind. Park

Module Capacity Overview

Current Total Capacity: 410 MW

Year-end Capacity 2014: > 480 MW

China : 180 MW



FAB 52



Wujiang, Suzhou

Taiwan : 230 MW



GES (NSP Subsidiary)
Hsinchu Ind. Park



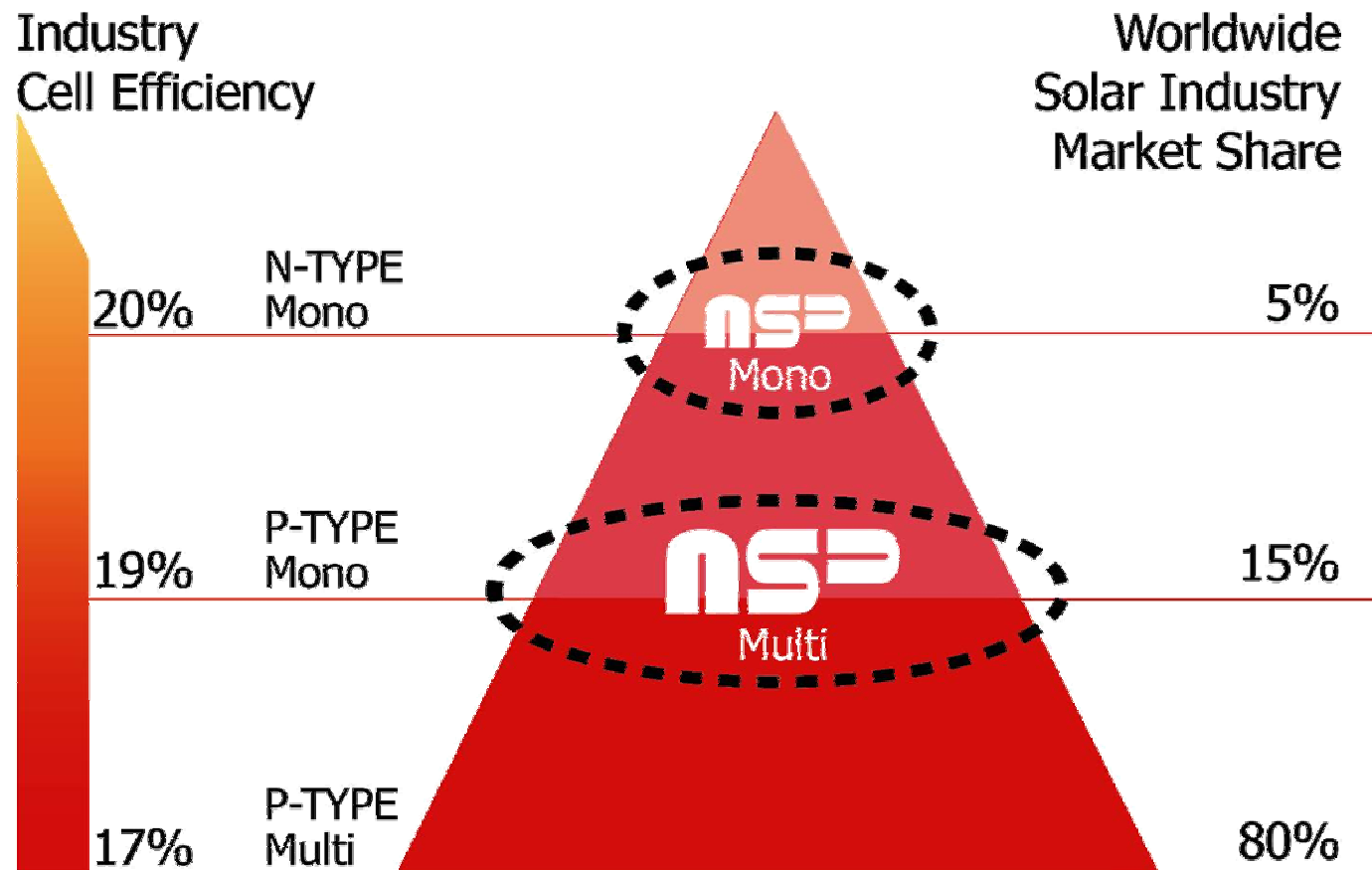
FAB 51
Hsinchu Science Park

Strong R&D Capability

- | **World leader in efficiency and yield**
- | **Advanced characterization based on years of experience in semiconductor device physics for optimized performance**
- | **Excellent manufacturability and reliability to shorten time to market**
- | **Customer oriented technology road map to support advanced products and partnership**



NSP Solar Product Pyramid



NSP p-type mono cell efficiency challenges market n-type mono cell efficiency. (p-type multi challenges p-type mono)

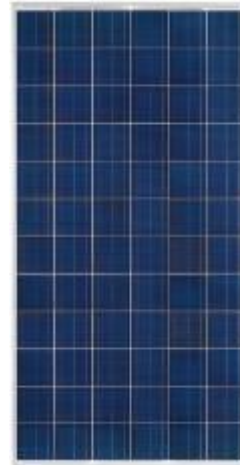
NSP Multi-crystalline Products

- | Super19: High efficiency multi cells
- | Average cell efficiency **>18.9 %**
- | Max cell efficiency: **19.5 %**
- | Ideal for **275W (60cells)** & **325W (72cells)** panels

 **SUPER19**



 **SUPER**



NSP Mono-crystalline Products

- | **Black20: High efficiency mono cells**
- | **Average cell efficiency >20.0 %**
- | **Max cell efficiency: 20.5 %**
- | **Ideal for 280W (60cells) & 335W (72cells) panels**

 **BLACK 20**

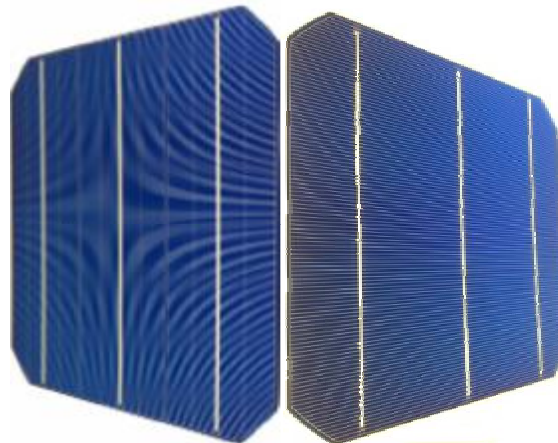


 **POWER**



NSP N-type Bifacial Product

- | BiFi: n-type bifacial mono-crystalline cells
- | Zero cell LID (equivalent to 3% more output in life time)
- | Average cell efficiency (front side) **>20.0%**
- | Nominal Power equivalent power **330W**
(20% power gain from rear side at suitable installation)
- | Ideal for flat rooftops, vertical installations, BIPV, carport, snow or desert environments



Proven Module Capability



- | Power tolerance of 0 to +4.99 W providing a stable, high-energy system output**
- | High PV cell shunt resistance enabling increased power output in low light conditions**
- | Low temperature coefficients of power to produce high power output in all weather conditions**
- | High efficiency solar cells and state-of-the-art manufacturing technology to enhance cost efficiency per kWh**
- | High wind/snow load tolerant**
- | Ammonia-resistant according to IEC 62716**

NSP Module Features

I Standard Offerings



Positive power tolerance
0~+4.99 watt



Withstand strong wind/snow load up to 5400 Pa
Pass ASTM E330
Maximum wind speed: 197 km/h (safety factor 3)



Excellent low light performance
3.5% relative eff. reduction at low-irradiance (200W/m²)



Certified ammonia resistance
According to IEC 62716 Ed. 1



100% EL inline inspection
Better module reliability



Prolonged aging test
2000 hours damp heat test; 400 thermal cycles



Compliance with RoHS and REACH



PID resistant
Enhanced module reliability

I Customized Offerings



Salt resistant
According to IEC 61701 Ed. 2 (severity 6)

Your Best Solar Partner



Largest BIPV in Taiwan



- | **Taiwan National Stadium, 1MW PV System, EPC by Delta, Solar cell by NSP**
- | **Architect: Toyo Ito**
- | **The largest building-integrated PV system in Taiwan**
- | **Annual CO₂ reduction: 660 MT**
- | **Annual Power Generation: 1.1 M KWpH**

Airport PV System by GES

- | **USA Indianapolis Airport, 25 MW**

- | **On-grid ceremony
Oct. 18, 2013**

- | **PPA with Indianapolis
Power and
Light Company (IPL)**



Corporate Social Responsibility

I Environmental Sustainability

- I Voluntary Commitment: A Member of PV Cycle
 - I Recycling end-of-life solar modules through PV cycle
 - I Minimizing environmental impact of end-of-life products
- I Carbon Footprint Verification
 - I Received the Reasonable Level of Assurance (the highest level for this certification)
- I Waste Recycling
 - I Management initiated waste reduction and recycling
- I Environmental Management System
 - I Assuring that environmental impact is being measured and improved



PAS 2050 : 2011



PAS 2050 : 2008



ISO 14001 : 2004



Corporate Social Responsibility

I Employee Well-being

I Safety and Health

- I Adapting occupational health and safety management systems
- I Training for laboratory work safety improvements



OHSAS 18001 : 2007

I Training and Development

- I Set up internal training programs and provide information on external training courses
- I Established E-learning platform and has been encouraging and promoting training courses



TOSHMS

I Workplace Wellness

- I Practices of work-life balance
- I Elimination of discrimination
- I Promotion of physical and mental health



Corporate Social Responsibility

■ Social Contribution

■ Volunteer Programs

- Environmental Care Volunteers:
Educating the public with knowledge on green energy, energy saving and environmental protection
- Social Care Volunteers:
Caring for community, society and the environment



Thank You

Neo Solar Power Corp.

Tel: +886.3.5780011 Fax: +886.3.5781255

www.nsp.com