# Sineng Electric Co., Ltd.



Stock Code: 300827

**Global Leading PV Inverter Solutions Provider** 





### **Milestones and Achievements**



#### 2012

Wuxi Sineng New Energy Co., Ltd. was established



2015

The company changed its name to Sineng Electric Co., Ltd.



#### 2017

Massive overseas marketing and service network



#### 2020

IPO-going public-Shenzhen exchange Stock Code: 300827

#### 2014

Acquired fortune 500 listed Emerson's PV business



2016

Inauguration of Sineng Industrial Park in Wuxi



2018

1<sup>st</sup> overseas manufacturing base in Bangalore, India



## **Global Business Network**

Covering major PV markets such as China, India, Vietnam, Saudi, South Korea, Brazil, Ukraine, etc.





## **Global PV Inverter Ranking**

The top 10 global PV inverter vendors accounted for 76% of the market, increasing marginally year-over-year Global PV inverter rankings by MW shipped, 2012-2019

Rank	2012		2013		2014		2015		2016		2017		2018		2019	
	Vendor	YOY A	Vendor	YOY A	Vendor	YOY A	Vendor	YOY A	Vendor	YOY A	Vendor	YOY A	Vendor	YOY A	Vendor	YOY
1	SMA	-	SMA	-	SMA	-	Huawei	+2	Huawei	-	Huawei	-	Huawei	-	Huawei	-
2	Power-One	-	Sungrow Power Supply	+1	Sungrow Power Supply	-	Sungrow Power Supply	-	Sungrow Power Supply	-	Sungrow Power Supply	-	Sungrow Power Supply	-	Sungrow Power Supply	-
3	Sungrow Power Supply	+2	ABB (Power- One)	-1	Huawei	+6	SMA	-2	SMA	-	SMA	-	SMA	-	SMA	-
4	Refusol	-	Omron	+14	ABB	-1	ABB	-	ABB	-	ABB*	-	Power Electronics	+3	Power Electronics	-
5	Касо	-2	TMEIC	+11	TBEA Sunoasis	+1	TMEIC	+1	TMEIC	-	Sineng	+1	ABB*	-1	Fimer (ABB)	+14
6	Advanced Energy	+3	TBEA Sunoasis	+19	TMEIC	-1	Sineng	+5	Sineng	-	TBEA SunOasis*	+1	Sineng	-1	Sineng	-
7	Fronius	-	Advanced Energy (Refusol)	-1	Omron	-3	TBEA Sunoasis*	-2	TBEA Sunoasis*	-	Power Electronics	+1	GoodWe	+3	SolarEdge Technologies	+1
8	Schneider Electric	+3	Emerson	+8	Schneider Electric	+2	Schneider Electric	-	Power Electronics	+1	TMEIC	-3	SolarEdge Technologies	+4	Growatt	+9
9	Samil Power	+19	Huawei	+22	Tabuchi Electric	+3	Power Electronics	+3	KStar	+6	Schneider Electric	+1	Ingeteam	+9	TMEIC*	+3
10	SolarMax	-	Schneider Electric	-2	Advanced Energy	-3	SolarEdge Technologies	+10	Schneider Electric	-2	GoodWe*	+10	TBEA Sunoasis*	-4	Ginlong Solis	+1
					F	Percer	ntage of global sh	nipme	nts by top 10 sup	pliers	Source	: Wo	od Mackenzie	e Po	wer & Renewa	ables
	2012		2013		2014		2015		2016		2017		2018		2019	
	66%		55%		66%		72%		78%		77%		75%		76%	

## **R&D** Center



## **Global Manufacturing Base**



Wuxi · China

Annual Capacity, 10GW

Annual Capacity, 10GW

Ningxia · China

Bangalore - India Increased to Annual Capacity, 10GW Before August 2021



## **Global supply chain partners**

- Long term strategic cooperation relationships with Top multinational and Chinese-Multi electronics manufacturer
- ✓ Intelligent sourcing-Performance are continuously re-evaluated to improve for the greatest efficiency





### **Major Customers and Partners (China)**



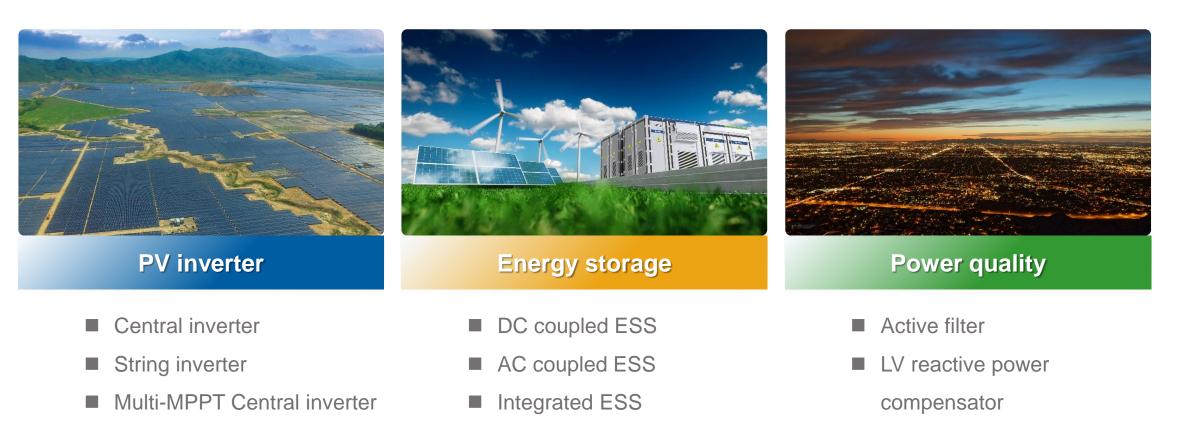


**Major Customers and Partners (International)** 





### Main Business Scope



- 3-phase unbalanced
  - compensator



## **Full Series Inverter Solution**



- Single inverter 2.5MW -3.4MW, integrated solution, the lowest price /Wp
- High load ratio and over load capacitylower electricity price
- Suitable for designing large blockoptimum LCOE



#### String

- 3kW-20kW residential
- 40kW-120kW C&I roof
- 136kW~320kW, large block design
- Multi-channel MPPT to increase power generation
- Maximizing generation in complex terrain scenarios



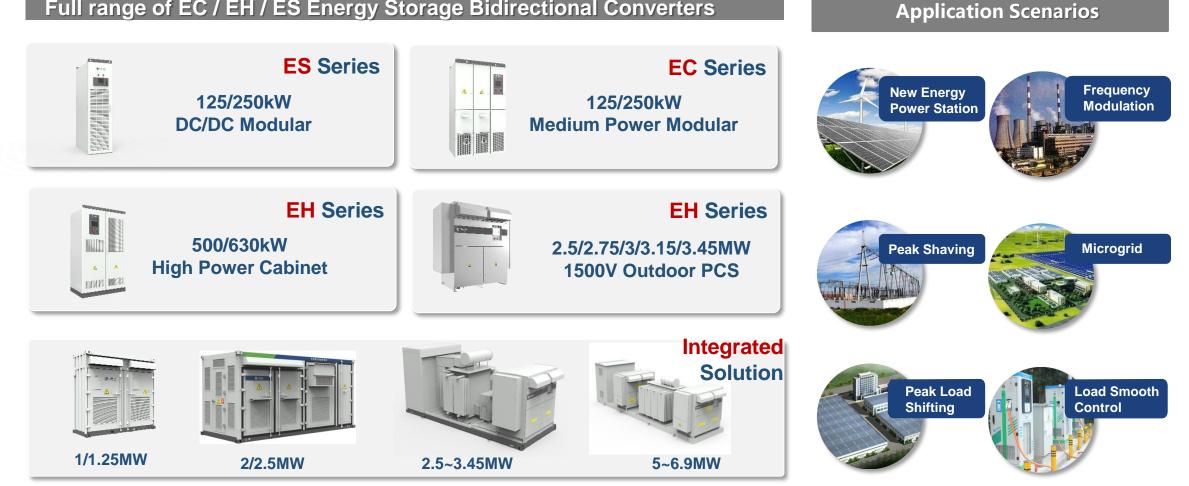
#### **Multi-MPPT Central**

- Single machine 3150kW+, integrated design
- Multi-channel MPPT, less equipment, high power generation
- High load ratio reduce the cost of electricity



## **Energy Storage PCS Solution Overview**

#### Full range of EC / EH / ES Energy Storage Bidirectional Converters





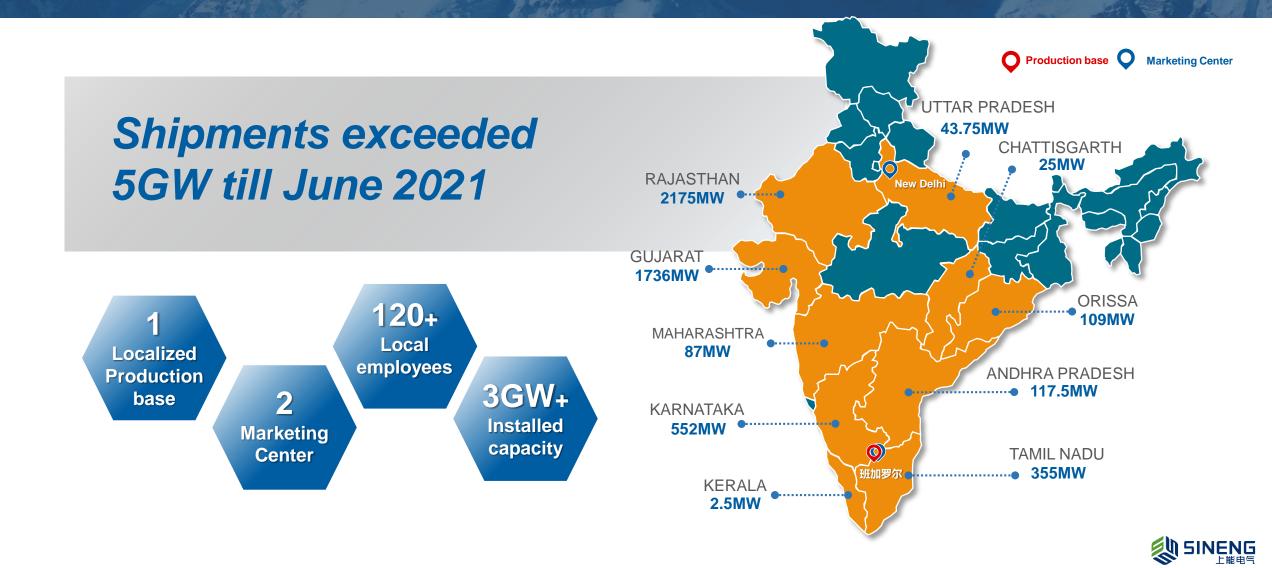
## **Energy Storage PCS Solution Overview**

#### Full range of EH / ES Energy Storage Bidirectional Converters





## **Rapid Growth and High Demand in India**



### Vietnam's Installed Capacity Exceeded 1700MWp



SINENG 上能电气

### **Utility PV Plant-Flat**





### **Utility PV Plant-Hilly**





### **Utility PV Plant-Various Application: High temperature, Humidity**





#### **Utility PV Plant- High Humidity**





#### **Utility PV Plant-High Temperature**





#### **Utility PV Plant-Sandy**





### **C&I** Applications



C&I PV project, Zhejiang, China





C&I PV project, Korea



C&I PV project, Malaysia



### **ESS Applications**







Industrial Park 60MW / 240MWh ESS project, China





**Endless Energy for Limitless Green** 

# | Thanks

#### Sineng Electric Co., Ltd.

www.si-neng.com

#### Sineng Electric (India) Pvt Ltd.

Plot No. 56 & 57, Bommasandra-Jigani Link Road, Industrial Area, Bangalore, Karnataka, 560099, India.

⊠ Sales.India@si-neng.com

