

**To create an efficient,  
reliable and clean energy future**



Sunwoda Energy Technology Co., Ltd.

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# Sunwoda Inside, Empower Our Future!

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# IN THE PAST 27 YEARS

we have been everywhere in your daily life

## Cellphone battery

| Late 1990s, Sunwoda Group manufactured its first cellphone battery.

## Consumer battery

| Since then, it has dominated the consumer battery market with one third of the market share.

## Electric vehicle battery

| Since 2012, Sunwoda Group has focused on EV batteries.

## Energy storage system and solution

| In 2016, the subsidiary Sunwoda Energy was founded, spanning residential, commercial, industrial, utility, network, and smart energy storage.

# COMPANY PROFILE

## Sunwoda Energy

As one subsidiary of Sunwoda Group (SZ300207), Sunwoda Energy Technology Co., Ltd. is a globally leading high-tech enterprise focusing on Residential, Commercial&Industrial, Utility Energy Storage Solutions, Network Energy, and Smart Energy.

With over 27 years of experience in the sustainable energy industry, we have the expertise to provide comprehensive energy solutions, including Lithium Battery Cells, Energy Storage Products, and customized Energy Investment&Operational Services.

**Sunwoda Inside, Empower Our Future!**



**TOP 10**

Top 10 global  
battery companies



**27 years**

Focus on new energy  
industry for 27 years



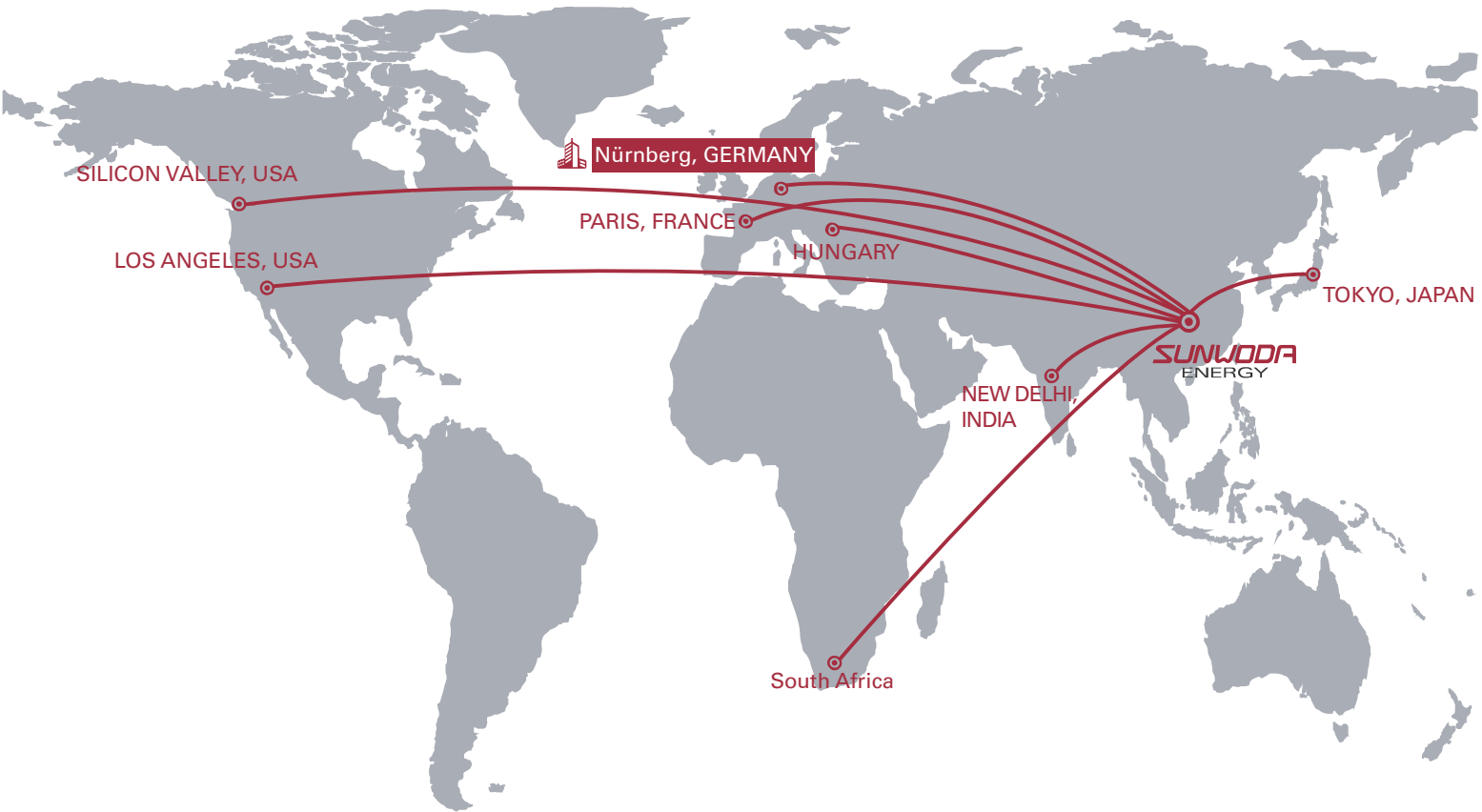
**246GWh**

Total production capacity



**50000+**

50000+ staff worldwide

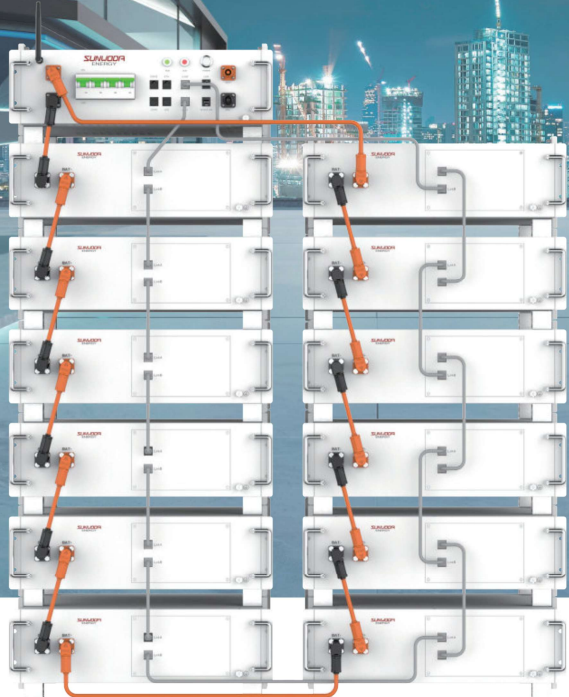


## Globalization

A global presence with production plants, R&D centers, and sales divisions located across the world .



# Oasis Flex



Easy to install and deploy with large space utilization



Unique modular design & flexible function configuration



Real time monitoring , remote maintenance and upgrades



Strong scalability, simple & convenient expansion on DC sides

## Oasis Flex

System Model	CIESS25-R-S	CIESS30-R-S	CIESS35-R-S	CIESS40-R-S	CIESS45-R-S	CIESS50-R-S	CIESS55-R-S	CIESS60-R-S
Number of battery packs	5	6	7	8	9	10	11	12
Rated voltage	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Voltage range	224~284V	268.8~340.8V	313.6~397.6V	358.4~454.4V	403.2~511.2V	448~568V	492.8~624.8V	537.6~681.6V
Rated energy	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh
Usable energy (90%DOD)	22.5kWh	27kWh	31.5kWh	36kWh	40.5kWh	45kWh	49.5kWh	54kWh
Max.charging/ discharging current	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A
Weight	248kg	294kg	340kg	386kg	432kg	478kg	524kg	570kg
Dimension (W*D*H, mm)	440*410*1026	440*410*1197	1080*410*684	1080*410*855	1080*410*855	1080*410*1026	1080*410*1026	1080*410*1197
Cycle life	6000times (25℃, 0.5C/0.5C, 90%DOD, EOL70%)							
Communication	CAN/RS485/WiFi/ETH							
Expansion	Support in parallel up to 3 clusters							
Enclosure protection rating	IP20							
Cooling	Natural cooling							
Ambient temperature	Charge: 0-50℃							
	Discharge: -20-55℃							
Humidity	10%~95%RH							
Altitude	<4000m							
Short circuit protection	Yes							
Over current protection	Yes							
Over charge protection	Yes							
Over voltage protection	Yes							
Over discharge protection	Yes							
Under voltage protection	Yes							
Over temperature protection	Yes							
Certifications	UN38.3/CE/IEC62619							
Module Parameter								
Module Model	B051100S02							
Module Rated voltage	51.2V							
Module Energy	5kWh							
Module Dimension (W*D*H)	443*410*135mm							
Module Weight	45kg							
Warranty	5 years*							
* DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 25℃.								
* Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃.								