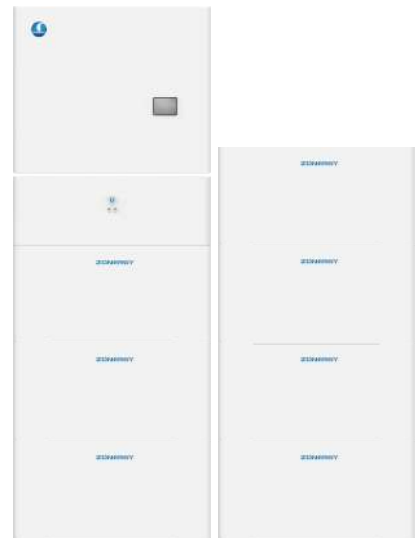




# Distributed PV-ESS Solution

Zonergy offers solutions for the distributed Photovoltaic Energy Storage System, including Zonergy-made Solar panels, Energy Storage Inverters, Lithium Battery Modules, and WiFi stick, to store the surplus energy from solar power generation. Our solution not only keeps the darkness away from your family when power outage, but also save extra on your electricity bill.

Zonergy selects high-class core components, applies brilliant electrical and structural design, continues the concept of standardized modules, and realizes flexible expansion of nominal capacity and power. Meanwhile, Zonergy uninterruptedly investigates the product application scenarios and configures the 9-Level Safety Protection design to build a high-security, high-performing, and easy-to-install Energy Storage System.



Standard modular design



Flexible expansion of battery modules



Controllable Intelligent protection design for power failure and power loss



Multiple electronic control failure interlock protection design



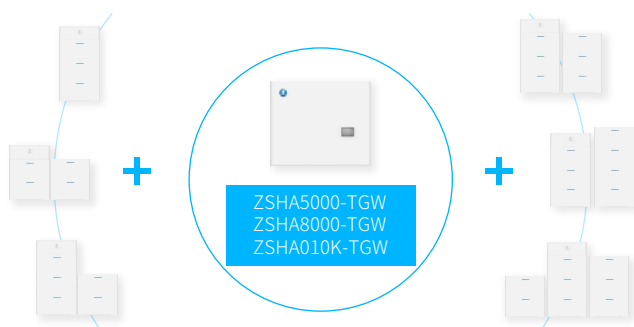
High level of security



Industry-leading long life battery configuration

## Inverter Technical Specification

Model		ZSPA5000-TGW/ZSPA8000-TGW/ZSPA010K-TGW	
Max. PV Input Current	12A	Max.AC Output Current	7.5A/12A/15A
MPPT Number	2	Max.PV Input Voltage	1000V
MPPT voltage range at full Power	250-850V	Power Factor	Adjustable from 0.8leading to 0.8 lagging
Start Up DC Voltage	160V	Dimension (W×D×H)	660*210*640mm 520*200*480mm
Max. charging/ Discharging Current	20A	Weight	30kg
Phase	Three Phase	Grid regulation	CEI0-21,VDE-AR-N 4105,G83/G59, VDE0126-1-1,AS4777,AS/NZS 3100
Rated voltage Rated frequency	230/400V 50/60Hz	Safety	IEC 62109-1&-2,IEC62040-1
Warranty	5 Years	EMC	EN61000-6-1/2/3/4 EN61000-4-16/18/29



## Battery Module Technical Specification

Model	ZSPS7680	ZSPS010K	ZSPS013K	ZSPS015K	ZSPS018K	ZSPA021K
Battery Module	3	4	5	6	7	8
Battery System Capacity	7.68kWh	10.24kWh	12.8kwh	15.36kwh	17.92kwh	20.48kwh
Battery chemistry	LFP					
IP Protection	IP65					
Dimensions (W / H / D)	660*1000*200	660*1260*200 1320*740*200	1320*1000*200	1320*1000*200	1320*1040*200	1980*1000*200
Weight	106kg	138kg	170kg	202kg	234kg	266kg
Warranty	10 Years					
Single module DC voltage range	46-56.5V					
Operating Temperature Range	discharge -20~55 °C ; charge 3~55 °C					
Deep of discharge	90%					
Cycle life	≥8000					
Max.charging/ Discharging current	75A(0.5C)	100A(0.5C)	125A(0.5C)	150A(0.5C)	175A(0.5C)	200A(0.5C)