



## All-In-One ESS

TENGI All-In-One ESS is an all-in-one energy storage solution, integrating inverter, battery modules, control unit and battery management system. The battery stack design features plug-in connections, saving 50% of installation time. With a slim profile and IP65 protection rating, it can be mounted both indoors and outdoors. With capacity options ranging from 5.12kWh to 15.36kWh, it provides ample support for entire household loads, aiding homes in achieving energy independence and reducing electricity expenses.



### Expandable

Battery capacity expansion flexibly



### Plug and Play

Simplify installation and operation and maintenance



### Safe and Reliable

With lithium iron phosphate battery cells, more safer and reliable



### Efficient

0.5C charge and discharge rate can achieve 80% EOL



### Long Life

Long cycle life more than 6,000 times



### High Protection Level

IP65 rated design for indoor or outdoor use

# Technical Specifications

Performance			
Model	ZXJC–NB01–05	ZXJC–NB01–10	ZXJC–NB01–15
Nominal Voltage	51.2 Vdc		
Nominal Capacity	100Ah	200Ah	300Ah
Nominal Battery Energy	5120 Wh	10240 Wh	15360 Wh
Working Voltage	40~58.4 Vdc		
Nominal Charge/Discharge Current	50A		
Nominal Power	2500W	5000W	7500W
Inverter			
Rated Output Power	5500W		
Rated Output Voltage	230Vac, single–phase or three–phase when in parallel		
Num. of Parallel	1~6 units		
Rated Battery Voltage	48V		
Max. PV Hybrid Charging Current	100A		
Max. PV Open–circuit Voltage	500Vdc		
Output Mode	Off–grid		
Communication			
Display	SOC status indicator, LED indicator		
Communication	RS232, RS485, CAN		
External Module (optional)	Wi–Fi / GPRS		
General Specification			
Dimension( WxDxH mm )	5120 Wh	10240 Wh	15360 Wh
	530×450×446mm	530×450×626mm	530×450×806mm
Weight	71kgs	115kgs	159kgs
Working Temperature	–20℃ ~ 60℃		
IP Rating	IP65		
Max Operating Altitude	≤ 2000m		
Deep of Discharge	≤ 95%RH		
Cell Technology	LiFePO4, Lithium Iron Phosphate		
Cycle life	≥6000 Cycles @ 90% DOD		
Scalability	Max. 6 towers can be connected in parallel		
Standard Compliance			
Certification	UN38.3, IEC62619, IEC61000, IEC/EN62477, EN61000 (more available upon request)		