



Stackable LV Lithium Battery

TENGI Stackable LV Lithium Battery is stackable and floor mount, it is compatible with a variety of energy storage off-grid / grid-tied inverters, suitable for renovation of original household grid-tied systems, or areas without (weak) power grid. It is expandable on demand and has a variety of combinations. Flexible, efficient and customized products and services, it is friendly to home users to build a clean, independent and economic micro-grid. Floor mount installation is easy, with a plug and play solution that can save valuable time for installers.



Expandable

Each model is 5kWh, it can be connected in parallel (≤ 16 pieces), achieve max. 80kWh, 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				
Nominal Voltage	51.2 Vdc			
Nominal Capacity	100Ah	200Ah	300Ah	400Ah
Nominal Battery Energy	5120 Wh	10240 Wh	15360 Wh	20480 Wh
Working Voltage	40~58.4 Vdc			
Nominal Charge/Discharge Current	50A			
Nominal Power	2500W	5000W	7500W	10000W
Communication				
Display	SOC status indicator, LED indicator			
Communication	RS232, RS485, CAN			
Compatible Inverters	INVT / Sinexcel-isuna / Deye / ASW / Growatt / SCU / Goodwe / Megarevo / MUST / Leoch etc.			
General Specification				
Dimension(WxDxH mm)	5120 Wh	10240 Wh	15360 Wh	20480 Wh
	530×450×266mm	530×450×446mm	530×450×626mm	530×450×806mm
Weight	55kgs	99kgs	143kgs	187kgs
Working Temperature	-20°C ~ 50°C			
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 16 towers can be connected in parallel			
Standard Compliance				
Certification	UN38.3, IEC 61000, EN 61000, IEC 62619, IEC/EN 62477 (more available upon request)			