









PX-HV Series

LiFePO4 High voltage Home Energy Storage Battery

-  100% LFP cell A+
-  Flexible stacking
Modular design Easy to expand
-  DOD 90%
-  Built-in aerosol active fire prevention(Optional)
-  Compatible with
Trie 1 brand inverters
-  Support 1-10
parallel/Scalable from
5.12KWh-51.2KWh
-  ESS High Voltage Model
-  IP54 Rating
Triple hardware protection
-  Plug and play, safe and convenient
-  Load-bearing universal wheel, easy to move



Battery Specifications	PXSL-HV-30KWh	PXSL-HV-40KWh	PXSL-HV-50KWh
Battery module		51.2V100AH	
Cell type		LFP(16S1P)	
Number of Modules	6PCS	8PCS	10PCS
Total Energy	30.72KWh	40.96KWh	51.2KWh
Rated voltage	307.2V	409.6V	512V
Operating voltage range	240-350V	320-467V	400-584V
Continuous charging current (A)		100A	
Cut-off current (A)		100A	
Communication		CAN, RS485	
Discharge temperature		-20℃~+55℃	
Charge temperature		0℃-55℃	
Storage temperature		0-35℃	
Working altitude (m)		<3000	
Noise (dB)		<40	
Cycle times		6000+ times	

Parallel operation	Support Max.10 in parallel
Max.recommended DOD	90%
Operating Condition	Indoor or outdoor
Life Span	≥15 years
Warranty	5 years
Cooling Type	Natural cooling
Case Material	Metal+Plastic
Protection class	IP54 / IP 65(Optional)
Remote monitoring	Bluetooth
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage

Compatible Inverters

