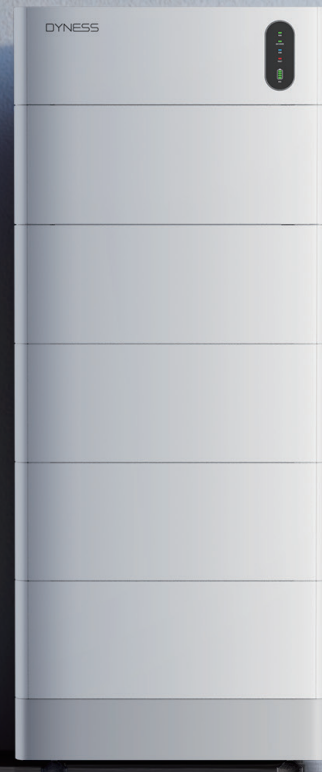# Tower Pro

Tower Pro is a high-voltage product designed for residential energy storage applications. It supports a maximum of 12 clusters in parallel and provides an energy capacity range from 7.68 kWh to 276.48 kWh. The system allows for a maximum 1C discharge, and its stackable auto-configuration modules simplify installation and maintenance.

Flexible Expansion
Up to 12 clusters in parallel, 7.68kWh--276.48kWh capacity

Ultra Safe
Intelligent fire extinguishing system, react within 5 seconds

Efficient
DC side battery charging and discharging efficiency＞97%, life time increased by 5%

1C Discharge
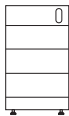Simultaneously supplying power to multiple loads, no need to worry about power outages

Automatic Self-heating
-20℃ to 55℃ operating temperature (optional)

Easy Installation
0 wiring, installation in 15 minutes by one person, save time and labor

Model	Tower Pro TP7	Tower Pro TP11	Tower Pro TP15	Tower Pro TP19	Tower Pro TP23
Product Pattern					
Battery Module Type	LiFePO$_4$	LiFePO$_4$	LiFePO$_4$	LiFePO$_4$	LiFePO$_4$
Battery Module Quantity	2	3	4	5	6
Rated Energy	7.68 kWh	11.52kWh	15.36kWh	19.2kWh	23.04kWh
Usable Energy	7.296kWh	10.944kWh	14.592kWh	18.24kWh	21.888kWh
Operating Voltage	168–216V	252–324V	336–432V	420–540V	504–648V
Nominal Voltage	192V	288V	384V	480V	576V
Nomina Capacity	40Ah	40Ah	40Ah	40Ah	40Ah
Max. Continuous Charge/Discharge Power*	7.68kW	11.52kW	15.36kW	19.2kW	23.04kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions[W/D/H] (mm)	587/310/788	587/310/1009	587/310/1230	587/310/1451	587/310/1672
Net Weight [kg]	99.5	135	170.5	206	241.5
Charging Temperature Range	0~55°C/–20~55°C (with heating function)				
Discharging Temperature Range	–10~55°C/–20~55°C (with heating function)				
Communication	CAN/RS485/RS232				
Cycle life**	≥8000 Cycles				
Protection Level	IP55				
Warranty	10/15 Years (Optional)				
Heating Function	PTC Heating (Optional)				
Fire Protection Function	Aerosol fire extinguishing				
OTA Remote Upgrade Function	Equipped				
Battery Module Name	HV9640				
Expansion	Max. 12 Tower Pro can be connected in parallel				
Certification	IEC62619/IEC63056/IEC62477/IEC62040/CE-EMC/VDE2510-50				
Compatible Inverters	kostal/Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG ect.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 1C

** Test conditions:0.2C Charging&Discharging.@25°C,95%DOD

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