

# Tower Pro

Dyness Tower Pro Series with IP55 protection level offers multiple energy options through an expandable modular design (2-6 modules combined), and the expandable parallel connection of up to 12 clusters allows for a maximum capacity of 276.48 kWh. The stackable auto-configuration modules make the system easier to install and maintain. Tower Pro also offers an optimized user experience with ultra-rapid charge (1C), LED display on the BDU, and remote upgrade and monitoring.



Equipped with aerosol fire extinguisher



1C rate charge/discharge



Easy to install: Stackable auto-configuration modules, wireless connection



High Protection Level: Indoor & outdoor installations



Heating function (Optional)



WIFI function: Real-time monitoring & Remote upgrade available

# Technical Specifications

Model	Tower Pro TP7	Tower Pro TP11	Tower Pro TP15	Tower Pro TP19	Tower Pro TP23
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Module Quantity	2	3	4	5	6
Rated Energy	7.68 kWh	11.52 kWh	15.36 kWh	19.2 kWh	23.04 kWh
Usable Energy	7.296 kWh	10.944 kWh	14.592 kWh	18.24 kWh	21.888 kWh
Operating Voltage	168 ~219V	252 ~ 328V	336 ~ 438V	420 ~ 547V	504 ~ 657V
Nominal Voltage	192V	288V	384V	480V	576V
Nominal Capacity	40Ah	40Ah	40Ah	40Ah	40Ah
Max. Continuous Charge/Discharge Power <sup>[1]</sup>	7.68 kW	11.52 kW	15.36 kW	19.2 kW	23.04 kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions [W*D*H]	587*310*788 mm	587*310*1009 mm	587*310*1230 mm	587*310*1451 mm	587*310*1672 mm
Net Weight [kg]	99.5 kg	135 kg	170.5 kg	206 kg	241.5 kg
Charging Temperature Range	0~55°C/-20~55°C (with heating function)				
Discharging Temperature Range	0~55°C/-20~55°C (with heating function)				
Communication	CAN/RS485/RS232				
Cycle life <sup>[2]</sup>	≥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	UN38.3/VDE2510-50/IEC62619/IEC63056/IEC62477/IEC62040/CE-EMC/ROHS				
Compatible Inverters	Ingeteam/Kostal/Goodwe/Solis/SAJ/Sinexcel/Atess/Deye/Sunways/Ecactus etc.				

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

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