

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 4 clusters allows for a maximum capacity of 92.16 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.



Optimized User Experience

LED display, real-time monitoring & remote upgrade (optional)



Ultra Rapid Charge

One hour to fully charge the battery



Easy to Install

Stackable auto-configuration modules, wireless connection



High Protection Level

Indoor & outdoor installations



Wide Compatibility

Matching with leading inverters

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 |
| Usable Energy | 7.68 kWh | 11.52 kWh | 15.36 kWh | 19.2 kWh | 23.04 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 ^[1] | 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 | 0~50°C | | | | |
| Discharging Temperature Range | -10~50°C | | | | |
| Communication | CAN/RS485/RS232 | | | | |
| Cycle life ^[2] | ≥6000 Cycles | | | | |
| Protection Level | IP55 | | | | |
| Color | White | | | | |
| Alarms | Overcharge/Overdischarge/Overcurrent/Overtemperature/Short Circuit | | | | |
| Pros | Can be used in both off-grid and hybrid setups, compact design, modular expansion | | | | |
| Battery Module Name | HV9640 | | | | |
| Expansion | Max. 4 Tower Pro can be connected in parallel | | | | |
| Certification | UN38.3/VDE2510-50/IEC62619/IEC63056/IEC62477/IEC62040/CE-EMC/ROHS | | | | |
| Compatible Inverters | Ingteam/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, 80% DOD