DYNESS

Tower

The upgraded Tower Series is tailor-made for large residential application. Stackable design with self-adaptive modules, five energy choices of up to 21.31kWh with parallel connection available, advanced LiFePO4 technology, remote upgrade, high waterproof level and good cooling function... Whatever you need, Dyness Tower Series is there to meet your requirements.



APP Monitoring (optional)

Real-time monitoring
& Remote upgrade available

Self-adaption

Auto configuration

Easy Installation

Stackable design,
wireless connection

High Protection Level

Indoor &
outdoor installations

Wide Compatibility

Matching with
leading inverters

Technical Specifications

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Module Quantity	2	3	4	5	6
Nominal Energy	7.10 kWh	10.66 kWh	14.21 kWh	17.76 kWh	21.31 kWh
Usable Energy	6.745kWh	10.127kWh	13.499kWh	16.872kWh	20.245kWh
Operating Voltage	168 ~219V	252 ~ 328V	336 ~ 438V	420 ~ 547V	504 ~ 657V
Nominal Voltage	192V	288V	384V	480V	576V
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Max. Continuous Charge/Discharge Power[1]	4.26 kW	6.39 kW	8.52 kW	10.65 kW	12.78 kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions [W*D*H]	504*380*700 mm	504*380*900 mm	504*380*1100 mm	504*380*1300 mm	504*380*1500 mm
Net Weight [kg]	105 kg	146 kg	187 kg	228 kg	269 kg
Charging Temperature Range	0~50°C				
Discharging Temperature Range	-10~50°C				
Communication	CAN/RS485				
Cycle life[2]	≥6000 Cycles				
Protection Level	IP54				
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	HV9637				
Expansion	Max. 12 towers can be connected in parallel				
Certification	UN38.3/CE-EMC/IEC62040/IEC62619/IEC62477/IEC60730/IEC63056/UKCA/CEC Accredited/UL1973/VDE2510-50				
Compatible Inverters	Ingeteam/Kostal/Goodwe/Solis/SAJ/Sinexcel/Atess/Deye/Sunways/Ecactus etc.				

[1]Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C
[2]Test conditions: 0.2C Charging& Discharging. @25°C, 90% DOD

CE TÜV UKCA UN38.3 CLEAN ENERGY COUNCIL

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