

Tower

HIGH-VOLTAGE BATTERY

DYNESSE |  **FuturaSun**
anticipate tomorrow



 **10 YEARS**
PRODUCT GUARANTEE

2 / 3 / 4 / 5 modules

NOMINAL CAPACITY **Max. 17.76 kWh**

FuturaPulse Single up to 14.2 kWh (4 modules)
FuturaPulse Tri up to 17.76 kWh (5 modules)

KEY BENEFITS AND FEATURES



IP54 protection



Recommended Depth of Discharge (DOD) 95%



No additional kit and/or accessories required



Life cycles ≥ 6000



Easy installation with the stack system



Battery consisting of **only two items**:
Battery Disconnect Unit (BDUs) (with base, Wi-Fi module and cables included) and battery modules (2 to 5 per BDU)



Up to **4 towers in parallel**, with the same capacity



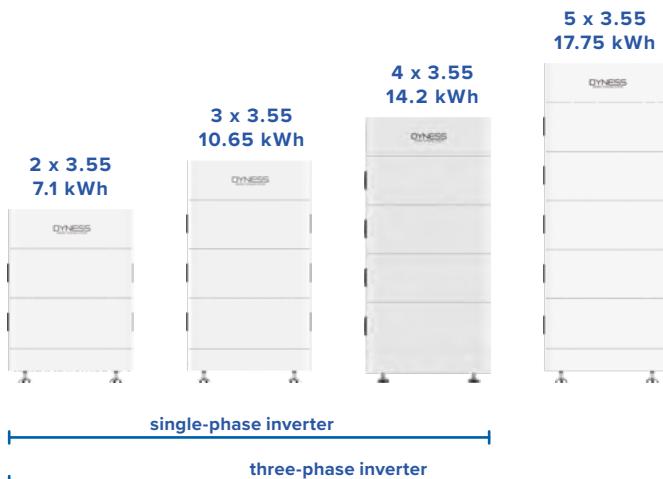
Continuous charge/discharge at 0.6C, up to 20% faster than average

Tower

The upgraded Tower Series is tailor-made for residential applications. Stackable design with self-adaptive modules, four energy choices of up to 17.76 kWh 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.

Technical specifications	Tower T7	Tower T10	Tower T14	Tower T17
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Module Quantity	2	3	4	5
Nominal Capacity [kWh]	7.10	10.66	14.21	17.76
Usable Energy [kWh]	6.745	10.127	13.499	16.872
Operating Voltage [V]	168 ~219	252 ~ 328	336 ~ 438	420 ~ 547
Nominal Voltage [V]	192	288	384	480
Nominal Capacity [Ah]			37	
Max. Continuous Charge/Discharge Power* [kW]	4.26	6.39	8.52	10.65
Recommended Depth of Discharge (DOD) [%]			95	
Dimensions [W*D*H mm]	504*380*700	504*380*900	504*380*1100	504*380*1300
Net Weight [kg]	105	146	187	228
Charging Temperature Range			0~50 °C	
Discharging Temperature Range			-10~50 °C	
Communication			CAN/RS485	
Cycle life**			≥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, self-standing compact design, modular expansion	
Battery Module Name			HV9637	
Expansion			Max. 4 towers can be connected in parallel on a single inverter	
Certification			UN38.3, CE-EMC, IEC62040, IEC62619, IEC62477, IEC60730, IEC63056, UKCA, CEC Accredited, UL1973, VDE2510-50, CEI 0-21	

Possible configurations:



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*Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C
**Test conditions: 0.2C Charging & Discharging. @25oC, 95% DOD

