

Tower

Tower series is specifically designed for large residential, as well as small commercial and industrial applications, offering an energy capacity range from 7.1 kWh to 255.72 kWh. It has been market-verified for 5 years with 0 accidents.



Flexible Expansion

Up to 12 clusters in parallel,
7.1kWh~255.72kWh capacity



Easy Installation

0 wiring, plug&play, allow
one people to install



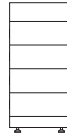
IP54 Protection

Indoor&outdoor installations



Smart Management

Real-time system monitoring, remote
control, OTA updates

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
Product Pattern					
Battery Module Type	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄
Battery Module Quantity	2	3	4	5	6
Nominal Energy	7.10kWh	10.66kWh	14.21kWh	17.76kWh	21.31kWh
Usable Energy	6.745kWh	10.127kWh	13.499kWh	16.872kWh	20.245kWh
Operating Voltage	168~216V	252~324V	336~432V	420~540V	504~648V
Nominal Voltage	192V	288V	384V	480V	576V
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Max. Continuous Charge/Discharge Power *	4.26kW	6.39kW	8.52kW	10.65kW	12.78kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions [W/D/H] (mm)	504/380/700	504/380/900	504/380/1100	504/380/1300	504/380/1500
Net Weight [kg]	105	146	187	228	269
Charging Temperature Range	0~50°C				
Discharging Temperature Range	-10~50°C				
Communication	CAN/RS485				
Cycle life * *	≥6000 Cycles				
Protection Level	IP54				
Battery Module Name	HV9637				
Expansion	Max. 12 towers can be connected in parallel				
Certification	UL1973/CE-EMC/CE-RED/IEC62040/IEC62619/IEC62477/IEC63056/ UKCA/ROHS/VDE2510-50/ISO14067/CEC/GOST-R/UN38.3/CEI-021				
Compatible Inverters	Kostal/Ingeteam/Solis/Goodwe/Solplanet/Deye/Hoymiles/Solinteg/SINENG/Sinexcel ect.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C

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





Tower USER MANUAL

HV Battery System
Tower -T7/T10/T14/T17/T21
192 - 576V

Model	T21	T17	T14	T10	T7
Battery System Discharge Current [A] (Normal)	18.5	18.5	18.5	18.5	18.5
Battery System Discharge Current [A] (Max)	37	37	37	37	37
Battery System Max. Charge& Discharge Current [A] (in communication with the inverter)	22.5	22.5	22.5	22.5	22.5
Discharge Temperature Condition [°C]	-10~50	-10~50	-10~50	-10~50	-10~50
Charge Temperature Condition [°C]	0~50	0~50	0~50	0~50	0~50
Max. Discharge Power [kW]	21.31	17.76	14.21	10.66	7.1
Max. Charge& Discharge Power [kW] (in communication with the inverter)	12.78	10.65	8.52	6.39	4.2
Short Circuit Current [kA]	1.5	1.5	1.5	1.5	1.5
IP Grade	IP54	IP54	IP54	IP54	IP54
Size [mm]	504*1500*380	504*1300*380	504*1100*380	504*900*380	504*700*380
Weight [kg]	269	228	187	146	105
Battery Module Name	HV9637	HV9637	HV9637	HV9637	HV9637
Battery Module Quantity(pcs)	6	5	4	3	2

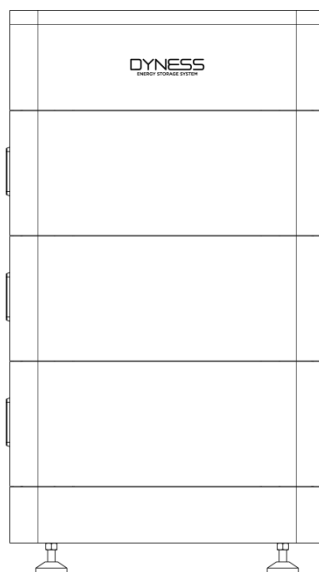


Figure 2-1 Tower T10

Battery Module

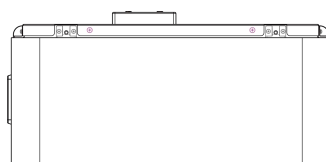


Figure 2-2 Battery Module

Table 2-2 Product Parameters

Module Name	HV9637
Cell Technology	Li-ion(LFP)
Battery Module Energy (kWh)	3.552
Battery Module Voltage (Vdc)	96
Battery Module Capacity (Ah)	37
Battery Module Cell Quantity (pcs)	30
Battery Cell Power (Wh)	118.4
Battery Cell Voltage (Vdc)	3.2
Battery Cell Capacity (Ah)	37
Battery Module Cell Quantity in Series (pcs)	30
Battery Module Charge Voltage (Vdc)	109.5
Battery Module Charge Current (Normal) [A]	18.5
Battery Module Charge Current (Max.) [A]	37
Battery Module Discharge lower-Voltage (Vdc)	84
Battery System Discharge Current (Standard) [A]	7.4

Module Name	HV9637
Battery Module Charge Current (Normal) [A]	18.5
Battery Module Charge Current (Max.) [A]	37
Dimension (W*D*H, mm)	380*504*240
Communication mode	CAN
Pollution Degree (PD)	II
Working Temperature(°C)	0~50
IP Grade	IP54
Weight(kg)	41

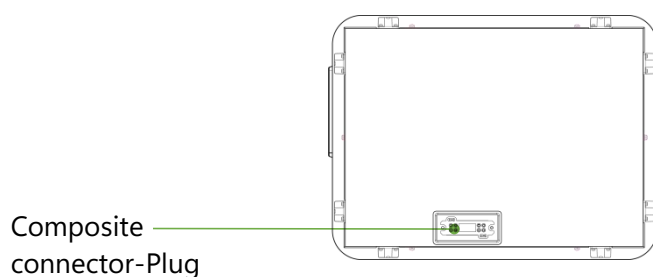


Figure 2-3 HV9637 Top Interface

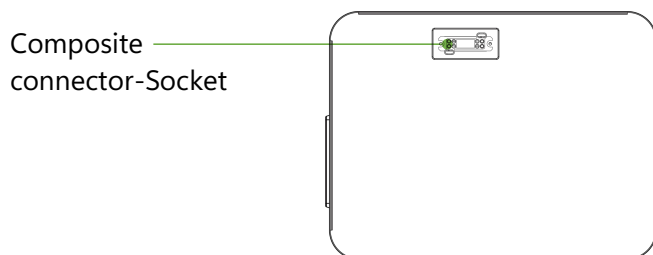


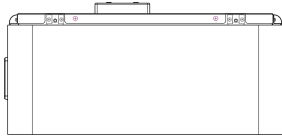
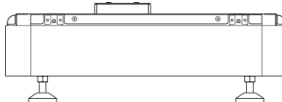
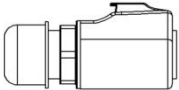
Figure 2-4 HV9637 Bottom Interface

Table 2-3 Interface Definition

Name	Definition
Composite connector-Plug	Battery module output and communication interface
Composite connector-Socket	Battery module output and communication interface

After opening the package, the installer should read the technical documents, verify the list, ensure that the objects are complete and intact according to the configuration table and packing list, and if there is damage to the internal packaging, it should be checked and recorded in detail.

Table 3-1 Packing List

Item	Specification	Quantity	Figure
Tower BDU	504*380*156.5mm	1 PCS	
Battery Module HV9637	96V/37Ah 504*380*240mm	4 PCS	
Tower Base	504*380*186mm	1 PCS	
Communication Cable to Inverter	Standard, Black /L2000mm /RJ45 plug at both sides	1 PCS	
Communication Connector to BDU	RJ45 Waterproof connector	1 PCS	
Cross Recessed Countersunk Head Screw	M4*10	20 PCS	
M6 3 Sets of Combined Screws	M6*14	1 PCS	
Terminal	OT4-6	2 PCS	
User Manual	30Page	1 PCS	