



Tower

ENERGY STORAGE SOLUTIONS

Safe and Reliable • Quick Installation • IP54 Protection • Flexible Expansion

Features and Advantages



IP54

Floor-standing outdoor solutions



Pile Up Design

Wireless connection
Easy to install



Expandable

From 7.1kWh to 21.3kWh



High Voltage

High system Efficiency



Wide Compatibility

Matching with leading
inverter brands



Self-adoption

Automatic configuration













Technical Parameters

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
Module Number	2	3	4	5	6
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Nominal Battery Energy	7.10kWh	10.66kWh	14.21kWh	17.76kWh	21.31kWh
Nominal Voltage	192V	288V	384V	480V	576V
Maximum Continuous Discharge Power ^[2]	4.26kW	6.39kW	8.52kW	10.65kW	12.78kW
Maximum Continuous Charge Power ^[2]	4.26kW	6.39kW	8.52kW	10.65kW	12.78kW
Dimension[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	105kg	146kg	187kg	228kg	269kg
Depth of Discharge	100%				
Charging Temp. Range	0~50°C				
Discharging Temp. Range	-10~50°C				
Communication	CAN				
Warranty	10 Years				
Warranty Document Supplied	Yes				
Calendar Life ^[1]	≥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 Type	HV9637				
Module Connection Method	Series				
Compatible Inverters	Goodwe/Solis/Hoymiles/Sermatec/ATESS/Sinexcel/Luxpower/Sunways, more brands will be announced				
Certification	TUV/CE/IEC62619/IEC 62040/UN38.3/CEC Accredited/UL1973				

^[1]Test conditions:0.2C Charging/Discharging,@25℃,80% DOD

















^[2]Maximum Continuous Discharge/Charge Power when communicate with inverter is 0.6C

Low voltage battery

Inverter Brand	Inverter logo	Inverter Type	Dynergy Battery Series							
			B4850	B3	B51100	A48100	BX51100	Powerbox Fseries	Powercube series	PowerDepot
Goodwe		GW3648D-ES/GW5048D-ES/BP/SBP/EM	✓	✓	✓	✓	✓	✓	✓	✓
Growatt (SANKO/Socar)		SPA/SPH3000/3600/4000/4600/5000/6000 (High Frequency) SPF 5000TL HVM-P/SPF 3000TL (Power frequency) HVM-P/ SPF 12KT HVM (High Frequency) M3000H-48, M5000H-48, M5000H-48BP (Power frequency) M12000L-48, M12000L-48SP (4KW/5KW/6KW/8KW/10KW/12KW) SPF 5000ES	✓	✓	✓	✓	✓	✓	✓	✓
Solis		RHI-3K/3.6K/5K-48ES/RHI-3K-48ES-5G /RHI-3.6K-48ES-5G/RHI-5K-48ES-5G /RHI-6K-48ES-5G/RAI-3K-48ES-5G	✓	✓	✓	✓	✓	✓	✓	✓
SAJ		Sunfree Series/ H1-3k-S2	✓	✓	✓	✓	✓	✓	✓	✓
SUNGROW		SH5K-30	✓	✓	✓	✓	✓	✓	✓	✓
DEYE		SUNSYNK PARITY INVERTER 5000W/ 7600W/8000W /SUN-5KSG03LP1-EU/ SUN-5KSG04LP3-EU(1p) /SUN-12KSG04LP3-EU(3p)	✓	✓	✓	✓	✓	✓	✓	✓
AISHIWEI		ASW3000H/3680H/4000H/5000H-S	✓	✓	✓	✓	✓	✓	✓	✓
Luxpower		LXP 3K/3.6K/4K/4.6K/5K Hybrid LXP 3600 ACS series/SNA5K(off-grid)	✓	✓	✓	✓	✓	✓	✓	✓
MUST		PV18 2-5.5kW /PH18 2-5.5KW	✓	✓	✓	✓	✓	✓	✓	✓
TBB		Kinergier Pro CK8.0S	✓	✓	✓	✓	✓	✓	✓	✓
TSUN		PV18 2-5.5kW /PH18 2-5.5KW	✓	✓	✓	✓	✓	✓	✓	✓
RENAC		ESC5000-DS	✓	✓	✓	✓	✓	✓	✓	✓


















Note: Only the inverters listed above are approved to be connected to dynergy batteries.

 **Low voltage battery**

Inverter Brand	Inverter logo	Inverter Type	Dyness Battery Series							
			B4850	B3	B51100	A48100	BX51100	Powerbox Fseries	Powercube series	PowerDepot
Victron		Multiplus/Quattro 48	✓	✓	✓	✓	✓	✓	✓	✓
IMEON		IMEON 3.6/9.12	✓	✓	✓	✓	✓	✓	✓	✓
SMA		Sunny Island 4.4M /6.0H/8.0H	✓	✓	✓	✓	✓	✓	✓	✓
DELIOS		DLS-300C/DLS-450C/DLS-600C	✓	✓	✓	✓	✓	✓	✓	✓
Studer Innotec		Xtender 48V serie VarioString serie VarioTrack 48V serie	✓	✓	✓	✓	✓	✓	✓	✓
Sorotoc		REVO II 3.2K-48 /REVO II 5.5K-48	✓	✓	✓	✓	✓	✓	✓	✓
SERMATEC		SMT-5K-TL-LV	✓	✓	✓	✓	✓	✓	✓	✓
SOFAR		HYD3000-ES	✓	✓	✓	✓	✓	✓	✓	✓
INFINI /VOLTRONIC		Infinisolar series 48V /Axpert-King series48V with communication Card (Power frequency)	✓	✓	✓	✓	✓	✓	✓	✓
INFINI /VOLTRONIC (MERCER)		Axpert-King MKS Modbus Duo Box /Axpert-King VM (RS485 PN-protocol) ICC	✓	✓	✓	✓	✓	✓	✓	✓
MAGAREVO		R5KL1	✓	✓	✓	✓	✓	✓	✓	✓
SUNRAY		MPS series 1/3/5kva	✓	✓	✓	✓	✓	✓	✓	✓
GMDE		3700TL	✓	✓	✓	✓	✓	✓	✓	✓
Steca		Solarix PLI 5000-48	Under Test (90% completed)							
Schneider		Conext Series Products/ Conext XW Pro	Under Test (90% completed)							
SRNE		HT4850S80	Under Test (80% completed)							

Note: Only the inverters listed above are approved to be connected to dyness batteries.

High voltage battery

Inverter Brand	Inverter logo	Inverter Type	Dy Ness Battery Series			
			HV4850	HV4875	HV51100	Tower Series
Goodwe		GW5000-EH/ET	✓	✓	✓	✓
Growatt		SPH 10000TL3 BH/SPA 4000	✓	✓	✓	✓
SERMATEC		SMT-10K/30K/50K-TL-TH	✓	✓	✓	✓
ATESS		HPS 5000/7500/10000TLS HPS 30/50/100/120/150	✓	✓	✓	✓
Solis		RHI-3P(5-10)K-HVES-5G/ RHI-1P7.6K-HVES-5G	✓	✓	✓	✓
Hoymiles		HY3 Series	✓	✓	✓	✓
Ecactus		WH-SPA-3.6H/WH-SPA-5.0H	✓	✓	✓	✓
Sinexcel		PWS1-50K/PWG2-100K	✓	✓	✓	✓
Sofar		HYD 15KTL-3PH/ HYD 5K~20KTL-3PH	✓	✓	✓	✓
Sunways		STH-12KTL-HT-CN	✓	✓	✓	✓
Thinkpower		EPH12KTL	✓	✓	✓	✓
HYPONTECH		HHS-6000	✓	✓	✓	✓
SAJ		H2-5K/6K/8K/10-T2	✓	✓	✓	✓
Bluesun		BSE12KH1NA	✓	✓	✓	✓
LUXPOWER		LXP-PCS6T	Can work with H8025 battery module series. Other battery model under Test. ✓			
TSUN		PV18 2-5.5kW /PH18 2-5.5KW	Under Test (50% completed)			
MEGAREVO		RKH1/RKH3	Under Test (90% completed)			

Note: This high voltage list covers all Dy Ness energy storage products. The specific type of high-voltage batteries that the inverter can be connected to are listed in the appendix. The HV series single cluster supports up to 16 modules in series, If the customer has a customized project, please communicate with our pre-sales technical support in advance to confirm. Only the inverters listed above are approved to be connected to dy ness batteries.

 **High voltage battery**

GOODWE Inverter.

Battery Series	Battery Model	Inverter Series				
		Goodwe				
		ET	BT	EH	BH	EHB
Tower	T7			√	√	√
	T10	√	√	√	√	√
	T14	√	√	√	√	√
	T17	√	√			
	T21					
PowerRack HV1	HV1-9			√	√	√
	HV1-12	√	√	√	√	√
	HV1-14	√	√	√	√	√
	HV1-16	√	√	√	√	√
	HV1-19	√	√	√	√	√
	HV1-21	√	√			
	HV1-24	√	√			
	HV1-26	√	√			
	HV1-28					
	HV1-31					
	HV1-33					
	HV1-36					
PowerRack HV2	HV2-14			√	√	√
	HV2-18	√	√	√	√	√
	HV2-21	√	√	√	√	√
	HV2-25	√	√	√	√	√
	HV2-28	√	√	√	√	√
	HV2-32	√	√			
	HV2-36	√	√			
	HV2-39	√	√			
PowerRack HV4	HV4-20			√	√	√
	HV4-25	√	√	√	√	√
	HV4-30	√	√	√	√	√
	HV4-35	√	√	√	√	√
	HV4-40	√	√	√	√	√
	HV4-46	√	√			
	HV4-51	√	√			
	HV4-56	√	√			

Note: The HV series is matched with GOODWE inverters, and the battery model needs to be selected as "default".


High voltage battery
 Growatt and ATESS Inverter.

Battery Series	Battery Model	Inverter Series			
		Growatt		ATESS	
		SPA	SPH	HPS 7500 – 10000TL	HPS 30–150
Tower	T7	√	√		
	T10	√	√		
	T14	√	√	√	
	T17	√	√	√	√
	T21			√	
PowerRack HV1	HV1-9	√	√		
	HV1-12	√	√		
	HV1-14	√	√		
	HV1-16	√	√	√	
	HV1-19	√	√	√	
	HV1-21	√	√	√	√
	HV1-24	√	√	√	√
	HV1-26			√	√
	HV1-28			√	
	HV1-31			√	
	HV1-33				
	HV1-36				
PowerRack HV2	HV2-14	√	√		
	HV2-18	√	√		
	HV2-21	√	√		
	HV2-25	√	√	√	
	HV2-28	√	√	√	
	HV2-32	√	√	√	√
	HV2-36	√	√	√	√
	HV2-39			√	√
PowerRack HV4	HV4-20	√	√		
	HV4-25	√	√		
	HV4-30	√	√		
	HV4-35	√	√	√	
	HV4-40	√	√	√	√
	HV4-46	√	√	√	√
	HV4-51			√	√
	HV4-56			√	

 **High voltage battery**

SERMATEC, SOLIS, Sinexcel Inverter.

Battery Series	Battery Model	Inverter Series					
		SERMATEC		SOLIS		Sinexcel	
		SMT-10K/30K/50K-TL-TH	SolarE - 60KSZ	RHI-3P(5-10)K-HVES-5G	RHI-1P7.6K-HVES-5G	PWS1-50K	PWG2-100K
Tower	T7			√	√		
	T10	√		√	√		√
	T14	√		√	√		√
	T17	√		√			
	T21	√				√	
PowerRack HV1	HV1-9			√	√		
	HV1-12	√		√	√		
	HV1-14	√		√	√		√
	HV1-16	√		√	√		√
	HV1-19	√		√	√		√
	HV1-21	√		√	√		√
	HV1-24	√		√			
	HV1-26	√		√			
	HV1-28	√				√	
	HV1-31	√				√	
	HV1-33	√				√	
	HV1-36	√				√	
PowerRack HV2	HV2-14			√	√		
	HV2-18	√		√	√		
	HV2-21	√		√	√		√
	HV2-25	√		√	√		√
	HV2-28	√		√	√		√
	HV2-32	√		√	√		√
	HV2-36	√		√			
HV2-39	√		√				
PowerRack HV4	HV4-20	√		√	√		
	HV4-25	√		√	√		
	HV4-30	√		√	√		√
	HV4-35	√		√	√		√
	HV4-40	√		√	√		√
	HV4-46	√		√			√
	HV4-51	√		√			
HV4-56	√				√		


High voltage battery
 Hoymiles, Bluesun, HYPONTECH Inverter.

Battery Series	Battery Model	Inverter Series		
		Hoymiles	Bluesun	HYPONTECH
		HY3 5000-10000HV	BSE12KH1NA	HHS -6000
Tower	T7	√	√	√
	T10	√	√	√
	T14	√		√
	T17			
	T21			
PowerRack HV1	HV1-9	√	√	√
	HV1-12	√	√	√
	HV1-14	√	√	√
	HV1-16	√	√	√
	HV1-19	√		√
	HV1-21	√		√
	HV1-24			
	HV1-26			
	HV1-28			
	HV1-31			
	HV1-33			
HV1-36				
PowerRack HV2	HV2-1 4	√	√	√
	HV2-18	√	√	√
	HV2-21	√	√	√
	HV2-25	√	√	√
	HV2-28	√		√
	HV2-32	√		√
	HV2-36			
	HV2-39			
PowerRack HV4	HV4-20	√	√	√
	HV4-25	√	√	√
	HV4-30	√	√	√
	HV4-35	√	√	√
	HV4-40	√		√
	HV4-46			
	HV4-51			
HV4-56				

 **High voltage battery**

Ecactus, Sunways, Sofar Inverter.

Battery Series	Battery Model	Inverter Series			
		Ecactus	Sunways		Sofar
		WH-SPA -3.6-5.0H	STH 3-8KTL -HS	STH 4-12KTL -HT	HYD 5K~20KTL -3PH
Tower	T7	✓	✓		
	T10	✓	✓	✓	✓
	T14	✓	✓	✓	✓
	T17			✓	✓
	T21			✓	✓
PowerRack HV1	HV1-9	✓	✓		
	HV1-12	✓	✓	✓	✓
	HV1-14	✓	✓	✓	✓
	HV1-16	✓	✓	✓	✓
	HV1-19	✓	✓	✓	✓
	HV1-21		✓	✓	✓
	HV1-24			✓	✓
	HV1-26			✓	✓
	HV1-28			✓	✓
	HV1-31			✓	✓
	HV1-33			✓	✓
HV1-36			✓	✓	
PowerRack HV2	HV2-14	✓	✓		
	HV2-18	✓	✓	✓	✓
	HV2-21	✓	✓	✓	✓
	HV2-25	✓	✓	✓	✓
	HV2-28	✓	✓	✓	✓
	HV2-32		✓	✓	✓
	HV2-36			✓	✓
HV2-39			✓	✓	
PowerRack HV4	HV4-20	✓	✓	✓	✓
	HV4-25	✓	✓	✓	✓
	HV4-30	✓	✓	✓	✓
	HV4-35	✓	✓	✓	✓
	HV4-40	✓	✓	✓	✓
	HV4-46			✓	✓
	HV4-51			✓	✓
HV4-56			✓	✓	

 **High voltage battery**

Thinkpower, Megarevo, and SAJ Inverter

Battery Series	Battery Model	Inverter Series				
		Thinkpower	Megarevo		SAJ	
		EPH12KTL	RKH1	RKH3	H2-3K/ 3.6K/ 4K/ 5K/ 6K -S2	H2-5K/ 6K/ 8K/ 10K -T2
Tower	T7		✓	✓	✓	
	T10	✓	✓	✓	✓	✓
	T14	✓		✓	✓	✓
	T17	✓		✓		✓
	T21	✓				
PowerRack HV1	HV1-9		✓	✓	✓	
	HV1-12	✓	✓	✓	✓	✓
	HV1-14	✓	✓	✓	✓	✓
	HV1-16	✓	✓	✓	✓	✓
	HV1-19	✓		✓	✓	✓
	HV1-21	✓		✓		✓
	HV1-24	✓		✓		✓
	HV1-26	✓		✓		✓
	HV1-28	✓				
	HV1-31					
	HV1-33					
HV1-36						
PowerRack HV2	HV2-14		✓	✓	✓	
	HV2-18	✓	✓	✓	✓	✓
	HV2-21	✓	✓	✓	✓	✓
	HV2-25	✓	✓	✓	✓	✓
	HV2-28	✓		✓	✓	✓
	HV2-32	✓		✓		✓
	HV2-36	✓		✓		✓
	HV2-39	✓		✓		✓
PowerRack HV4	HV4-20	✓	✓	✓	✓	
	HV4-25	✓	✓	✓	✓	✓
	HV4-30	✓	✓	✓	✓	✓
	HV4-35	✓	✓	✓	✓	✓
	HV4-40	✓		✓	✓	✓
	HV4-46	✓		✓		✓
	HV4-51	✓		✓		✓
	HV4-56	✓				