

Battery

Stores excess energy for later use, providing reliable backup power during outages and reducing your dependence on the grid.



Sleek and Space-Efficient Design

Ultra-slim <6.7" design minimizes installation footprint, great for urban environments and tight spaces.



Modular and Expandable

Battery modules can be both easily stacked and inserted into module below, without additional cabling for simplified installation and future expansion.



Flexible Power Storage

Supports up to 6 units in parallel, offering up to 118.8 kWh of capacity for even the largest of home energy needs.



Safety

Reduced risk of thermal runaway with LFP battery chemistry for peace of mind, verified by UL 9540A certification.

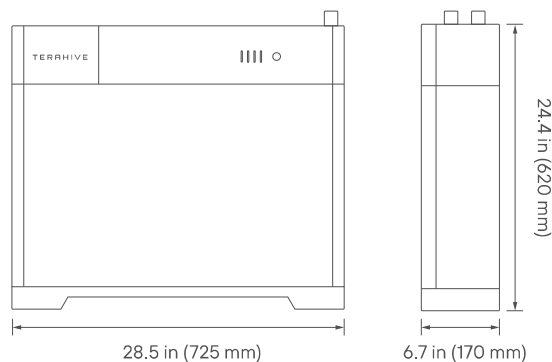


All-Weather Protection

IP65 ingress protection against dust and water ensures stable performance no matter the climate or weather.

Specifications

Nameplate Capacity	6.6 / 13.2 / 19.8 kWh
Battery Voltage Range	44.8 V – 56.8 V
Recommended Output Power	3.3 / 6.6 / 10 kW
Max. Output Power	5.8 / 9.3 / 12.2 kW
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Ingress Protection Rating	IP65
Warranty	12.5 years
Installation	Wall-mounted or floor-mounted (Wall-mount kit sold separately)



Nameplate Capacity: 6.6 kWh
Weight: 156.5 lbs (71 kg)

BATTERY SPECIFICATIONS

System			
Model Name	BS-LF051063	BS-LF051133	BS-LF051203
Battery Type	LFP		
Number of Battery Modules	1	2	3
Battery System Energy	6.6 kWh	13.2 kWh	19.8 kWh
Rated Battery Voltage	51.2 V	51.2 V	51.2 V
Operating Battery Voltage Range	44.8 – 56 V	44.8 - 56 V	44.8 – 56 V
Recommnended Charging / Discharging Power	3.3 kW	6.6 kW	10 kW
Max. Output Power	5.8 kW	9.3 kW	12.2 kW
Recommended Charging / Discharging Current	65 A	130 A	195 A
Max. Charging / Discharging Current	130 A	200 A	200 A
System Dimensions (WxHxD)	28.5 x 24.4 x 6.7 in (725 x 620 x 170 mm)	28.5 x 41.7 x 6.7 in (725 x 1060 x 170 mm)	28.6 x 59 x 6.7 in (725 x 1500 x 170 mm)
System Net Weight	156.5 lbs (71 kg)	291 lbs (132 kg)	425.5 lbs (193 kg)
Communication	RJ45 (RS485, CAN, Dry contact)		
Module			
Battery Module Energy	6.6 kWh		
Rated Battery Module Voltage	51.2 V		
Battery Module Dimensions (WxHxD)	28.5 x 17.3 x 6.7 in (725 x 440 x 170 mm)		
Battery Module Net Weight	132.28 lbs (60 kg)		
Power Distribution Unit Dimensions (WxHxD)	28.5 x 5.1 x 6.7 in (725 x 130 x 170 mm)		
Power Distribution Unit Net Weight	15.4 lbs (7 kg)		
General			
Operating Temperature	Charge: 14°F to 122°F (-10°C to 50°C) / Discharge: 14°F to 131°F (-10°C to 55°C)		
Operating Humidity	0% to 95% RH, non-condensing		
Operating Altitude	≤ 9,843 ft (3,000 m)		
Installation	Floor or wall mount (optional)		
Ingress Protection Rating	IP65		
Warranty	12.5 years		
Cycle Life	Up to 7,000 cycles		
Compliance Information			
Certifications	UL 9540A, UL 9540, UL 991, UL 1998, UL 1973, CEC, UN38.3		
Emission	FCC Part 15, Class B		

*Test Conditions: Temperature 77°F (25°C), at the beginning of life, with a cell charge voltage between 2.8 to 3.5 V, 0.5C.

**Performance may be de-rated under extreme temperature conditions.

***An ambient temperature of 77°F (25°C) is recommended for charging and discharging current.