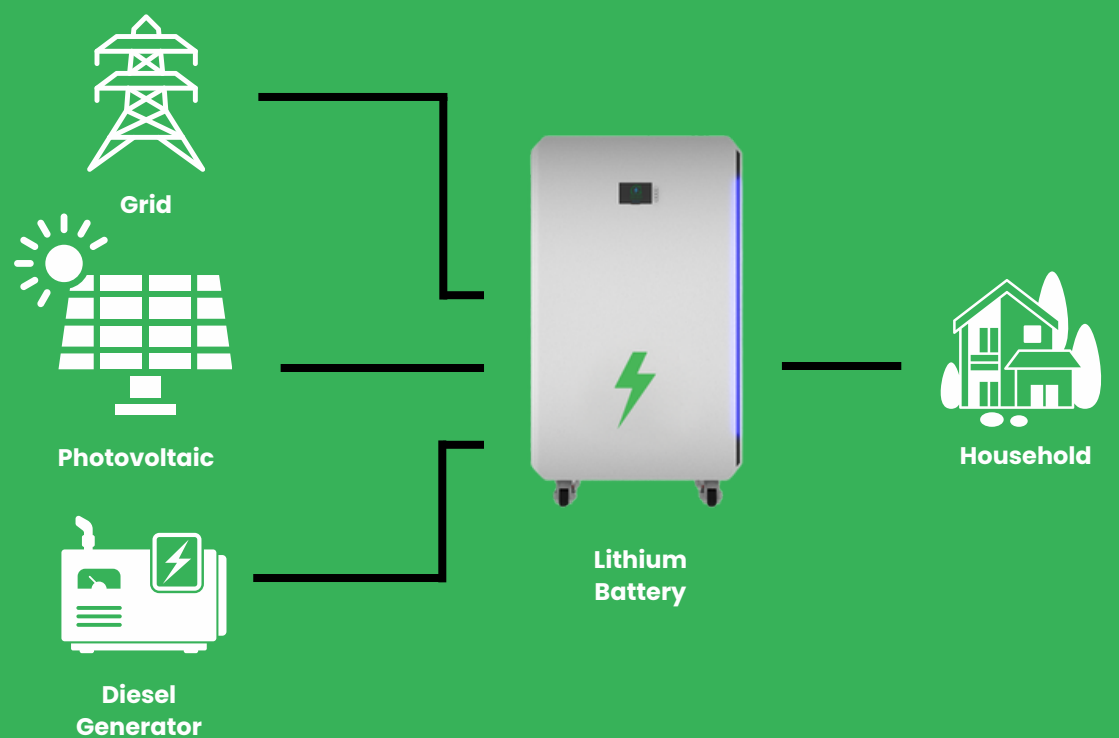


LiFePO4 HOME ENERGY STORAGE



LITHIUM BATTERY

51.2V-100Ah



Disclaimer : Image for Illustration Purpose only.

APPLICATION



Nighttime Essential

- Avg 0.43 kW (Fridge, Wi-Fi, Light, Fan)
- ~22 Hours Runtime



Family Evening Use

- Avg 1.15 kW (Fridge, Wi-Fi, Laptops, washer)
- ~12 Hours Runtime



Cooling & Comfort

- Avg 2.02 kW (AC, Fridge, Lights, TV)
- ~6 Hours Runtime



Full House Operation

- Avg 4 kW (Kitchen, Appliances, gadgets)
- ~3 Hours Runtime

CHARACTERISTICS

Model Number	51.2V-100Ah	
Nominal Voltage	51.2 V	
Usable Capacity	5,120 Wh	
Operating Voltage Range	44.8-57.6 V	
Recommend Charge & Discharge Current	≤ 100A	
MAX. Charge & Discharge Current	150A@0.5S	
DOD	>90 %	
Scalability	Up to 15 units in parallel	
Communication	RS485+CAN+BT+RS232+WIFI	
Ingress Protection	IP21	
Life Cycle	≥6000 @25 °C, 80 % DOD	
Working Temperature Range	Discharge: -20 °C to +60 °C, Charge: 0 °C to +55°C	
Dimensions	Length	640± mm
	Width	400± mm
	Height	240± mm
Net Weight	~ 65 kg	

LITHIUM BATTERY

51.2V-260Ah



Disclaimer : Image for Illustration Purpose only.

APPLICATION



Nighttime Essential

- Avg 0.43 kW (Fridge, Wi-Fi, Light, Fan)
- ~52 Hours Runtime



Family Evening Use

- Avg 1.15 kW (Fridge, Wi-Fi, Laptops, washer)
- ~35 Hours Runtime



Cooling & Comfort

- Avg 2.02 kW (AC, Fridge, Lights, TV)
- ~17 Hours Runtime



Full House Operation

- Avg 4 kW (Kitchen, Appliances, gadgets)
- ~5 Hours Runtime

CHARACTERISTICS

Model Number	51.2-260	
Nominal Voltage	51.2 V	
Usable Capacity	13,312 Wh	
Operating Voltage Range	44.8-57.6 V	
Recommend Charge & Discharge Current	≤ 200A	
MAX. Charge & Discharge Current	250A@0.5S	
DOD	>90 %	
Scalability	Up to 15 units in parallel	
Communication	RS485+CAN+BT+RS232+WIFI	
Ingress Protection	IP21	
Estimated Life Cycle	> 3 years (Under Optimal Conditions)	
Working Temperature Range	Discharge: -20 °C to +60 °C, Charge: 0 °C to +55°C	
Dimensions	Length	505± mm
	Width	295± mm
	Height	810± mm
Net Weight	~ 120 kg	

LITHIUM BATTERY

51.2V-280Ah



Disclaimer : Image for Illustration Purpose only.

APPLICATION



Nighttime Essential

- Avg 0.43 kW (Fridge, Wi-Fi, Light, Fan)
- ~55 Hours Runtime



Family Evening Use

- Avg 1.15 kW (Fridge, Wi-Fi, Laptops, washer)
- ~38 Hours Runtime



Cooling & Comfort

- Avg 2.02 kW (AC, Fridge, Lights, TV)
- ~20 Hours Runtime



Full House Operation

- Avg 4 kW (Kitchen, Appliances, gadgets)
- ~7 Hours Runtime

CHARACTERISTICS

Model Number	51.2-280	
Nominal Voltage	51.2 V	
Usable Capacity	14,336 Wh	
Operating Voltage Range	44.8-57.6 V	
Recommend Charge & Discharge Current	≤ 200A	
MAX. Charge & Discharge Current	250A@0.5S	
DOD	>90 %	
Scalability	Up to 15 units in parallel	
Communication	RS485+CAN+BT+RS232+WIFI	
Ingress Protection	IP21	
Estimated Life Cycle	> 3 years (Under Optimal Conditions)	
Working Temperature Range	Discharge: -20 °C to +60 °C, Charge: 0 °C to +55°C	
Dimensions	Length	505± mm
	Width	295± mm
	Height	810± mm
Net Weight	~ 120 kg	