

Specification



PRIME 16H

Usable Energy (DoD 100%) [kWh]	16	
Power (Rated/Peak) [kW]	7 / 11	
Voltage [V]	350-450	
Round-trip Efficiency [%]	> 90	
Storage Power Consumption [W]	< 0.1	
Dimension [W x H x D, mm]	504 x 1,086 x 295	
Weight [kg]	Total	159
	Module	130 (65 x 2EA)
	Control Unit	24
	Connect Plate	5
Installation Type	Floor-standing	
Scalability	Up to 2 units (32kWh / 14kW)	
Operational Temperature [°C]	Charge	-10 ~ 50
	Discharge	-20 ~ 50
Operating Temperature (Recommended) [°C]	15 ~ 30	
Ingress Rating	IP55	
Warranty	70% @10 years (Global)	
Communication	CAN & RS485	
Certification	Cell	UL 1642
	Product	CE/FCC/RCM/IEC62619/ UL1973/IEC62477



PRIME 10H

Usable Energy (DoD 100%) [kWh]	9.6	
Power (Rated/Peak) [kW]	5 / 7	
Voltage [V]	350-450	
Round-trip Efficiency [%]	> 90	
Storage Power Consumption [W]	< 0.1	
Dimension [W x H x D, mm]	504 x 817 x 295	
Weight [kg]	Total	111
	Module	82 (41 x 2EA)
	Control Unit	24
	Connect Plate	5
Installation Type	Floor-standing & Wall-mounted	
Scalability	Up to 2 units (19 kWh / 10 kW)	
Operational Temperature [°C]	Charge	-10 ~ 50
	Discharge	-20 ~ 50
Operating Temperature (Recommended) [°C]	15 ~ 30	
Ingress Rating	IP55	
Warranty	70% @10 years (Global)	
Communication	CAN & RS485	
Certification	Cell	UL 1642
	Product	CE/FCC/RCM/IEC62619/ UL1973/IEC62477

Compatible Inverter Brands : SolarEdge, SMA, GoodWe, Growatt, GE, Delta, Solis (1Phase)
SMA, Sungrow, Solis, Goodwe (3Phase)

- Please check the latest compatible inverter list on ESS Battery Website

*Values provided for 25°C



www.lgessbattery.com

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Be Prepared with PRIME



Power your home during outages and reduce the amount of energy used during expensive peak hours with Prime home batteries.



PRIME 16H



PRIME 10H

Be Prepared with PRIME

The ultimate value Prime is offering to customers is the maximum security for electricity consumption regardless of external uncertainties by realizing energy independence with eco-friendly solar energy.

PRIME16H

“The world's largest capacity home battery for whole home backup”

World's Largest Capacity (16kWh, 7kW) to back up essential loads in peak time and blackouts

PRIME10H

“The smartest choice of first home battery for daily use”

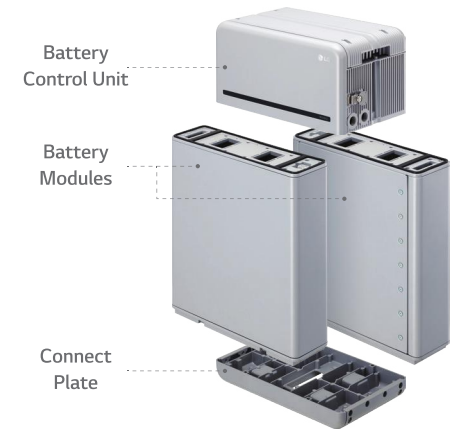
Enough capacity (9.6kWh, 5kW) to back up critical loads during peak time and emergencies



Unique Modular Design

With its unique modular design, Prime can be divided into a battery control unit and two battery modules. It enables easier transportation, handling, and installation.

*May vary depending on specific condition



On-the-Spot Maintenance

The detachable Control Unit can be replaced on site, saving maintenance time and cost

*May vary depending on specific conditions

	Conventional	PRIME
Carry & Handle	Lift needed	No lift
Workload	2-3 Installers	1-2 Installers
After sales Service(*)	Collect & Replace	Early diagnosis & On-the-Spot Maintenance

Fully cover an average daily electricity use

Maximum energy and high power output enable **whole home backup** both in peak time and blackouts.

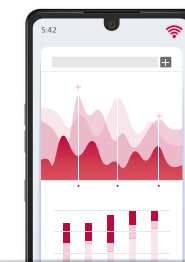
* This function is dependent on the functionality of the inverter

	16H x 2ea	10H x 2ea
Capacity	32 kWh	19.2 kWh
Power	14 kW	10 kW

*May vary depending on the size of household and energy consumption

Smart Monitoring & Control

The LG Energy Solution monitoring app makes real-time monitoring of solar energy production and home energy consumption possible. It also proactively detects anomalies for quick diagnosis and remote troubleshooting.



App/Web-based UI
For Installers & End Customers