



InstaGen residential battery storage system (Low voltage)



The InstaGen battery - 5.12kWh modular in stack arrangement design to 20.48kWh.

Provides true energy independence

Reduces emissions

Reduces costs

Blackout safe

Lifetime: 8,000 cycles

Modular design, stack for more energy

Key features

- ✦ Minimalist design, practical and elegant
- ✦ IP65 Rating, suitable for outdoor and indoor installation
- ✦ Supports wifi, bluetooth, remote monitoring, diagnose and upgrade
- ✦ Ultra-convenient for installation and capacity expansion
- ✦ Self-heating function integrated, suitable for lower temperature operation
- ✦ Highly modular design to meet different capacity demands
- ✦ Lifecycle: 8,000 cycles

10 years

Enhanced product guarantee on product and workmanship

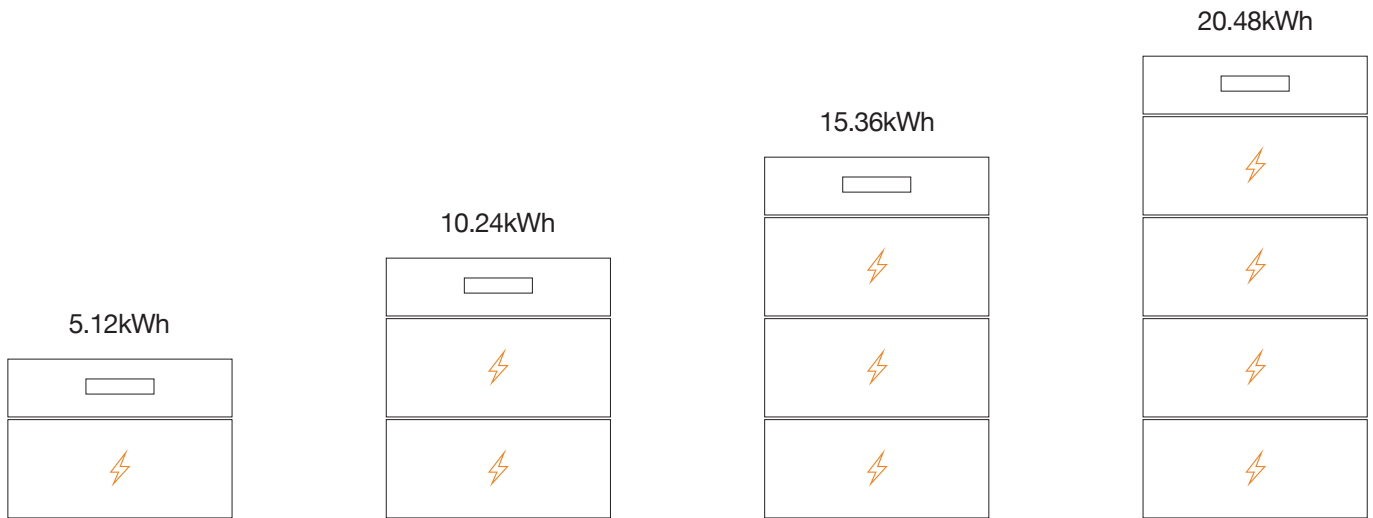
Product Certificates



For InstaGen enquiries email productsales@instagroup.co.uk

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Electrical Characteristics



Model	LV05	LV10	LV15	LV20
Battery Type	LFP	LFP	LFP	LFP
Configuration	1P16S	2P16S	3P16S	4P16S
Rated Voltage	51.2V	51.2V	51.2V	51.2V
Rated Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh

Electrical Parameters	LV05	LV10	LV15	LV20
Voltage Range	46.4V-55.2V			
Rated Charging Current	50A	100A	150A	150A
Max. Charging Current	50A	100A	150A	150A
Rated Discharging Current	50A	100A	150A	150A
Max. Discharging Current	50A	100A	150A	150A

Mechanical Parameters	LV05	LV10	LV15	LV20
Weight	62.5kg	111.5kg	160.5kg	209.5kg
Dimensions (w*d*h)	665*200*503mm	665*200*771mm	665*200*1039mm	665*200*1306mm
IP Rating	IP65			
Cooling	Natural cooling			

Operating Conditions	LV05	LV10	LV15	LV20
Ambient Temperature	Charge:-10°C~50°C, Discharge:-20°C~50°C			
Operating Humidity	10~95%, RH			
Altitude	<200m (derating>2000m)			
Mounting	Floor standing			
Cycle Life	8000 cycles			
Compliance	IEC62619/UN38.3			
Warranty	10 years			

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