

# 6kWh Low Voltage Battery

## Improved safety

- Enables low-temperature charging with an optional heating function

## Seamless system integration

- Works with existing solar installations, third-party meters, and EMS platforms through open MQTT compatibility

## Advanced protection technology

- LiFePO4 cells and integrated fire suppression ensure dependable long-term operational security

## Ideal for large projects

- Cost-effective solution for funded projects and lower storage capacity requirements



Model	INS-06B-G3
<b>System Data</b>	
Battery type	LiFePO4
Rated capacity (Ah)	314
Total energy (kWh)	6.0
Rated voltage (V)	51.2
Voltage range (V)	44.8 to 60
Max. continuous charging/discharging current (A)	60
Peak charging/discharging current (A)	90 (10s)
Communication	CAN
Recommended depth of discharge (DOD)	90%
Max. parallel quantity	16
<b>Protection</b>	
Overvoltage and undervoltage protection	Integrated
Overcurrent protection	Integrated
Overtemperature and undertemperature protection	Integrated
DC breaker	Integrated
Heating	Integrated

Model	INS-3.6L-G3
<b>General</b>	
Dimensions (W x H x D [mm]) <sup>(1)</sup>	410 x 519 x 236
Weight (kg) <sup>(1)</sup>	55
Installation environment	Indoor / outdoor
Mounting	Wall-mounted / Floor-standing
Wall-mounted bracket	Optional
Charging temperature (°C)	-20 to +55
Discharging temperature (°C)	-20 to +55
Protection degree	IP65
Cooling	Natural convection
Altitude (m)	≤2000
Cycle life (25°C, 0.5C)	8000 Cycles, 90% DOD, 70% EOL
Certification	IEC 62619, UN 38.3, CE-EMC
Warranty <sup>(2)</sup>	10 years

<sup>(1)</sup> The actual dimensions and weight may differ. For details, please contact InstaGen sales.

<sup>(2)</sup> Please refer to InstaGen Warranty Terms & Conditions for more details.