

Single-phase Gateway

Instant backup protection

- Provides 0 ms seamless switchover for uninterrupted power during outages

Whole-home backup capability

- Supports complete home backup without complex rewiring or additional critical load panels

Flexible energy compatibility

- Compatible with generators, smart loads, and third-party PV systems for versatile energy management

Enhanced system safety

- Features rapid shutdown capability to instantly isolate power sources and maximise operational safety



Model	INS-BOX-100S-G3
Grid	
Grid form	L/N/PE
Nominal AC voltage (V)	220/230/240
Nominal AC frequency (Hz)	50
Max. AC current (A)	100
Back-up switch time (ms) ⁽¹⁾	0
Inverter	
Max. number of connections	2
Nominal AC voltage (V)	230
Max. AC current (A)	54.5
Smart Port (GEN / PV Inverter / Smart Load)	
Max. number of connections	1
Nominal AC voltage (V)	230
Max. AC current (A)	100
Backup	
Nominal AC voltage (V)	230
Nominal AC frequency (Hz)	50
Max. AC current (A)	100

Model	INS-BOX-100S-G3
General	
Dimensions (W x H x D [mm])	535 x 490 x 170
Weight (kg)	17
Mounting	Wall mounting
Operating temperature (°C)	-30 to +55
Relative humidity	0-95%, no condensation
Cooling	Natural convection
Altitude (m)	≤4000
Protection degree	IP45
Communication	RS485
Warranty	5 years

(1) It refers to the interruption time of the Backup loads. The function can only be achieved when INS-BOX is used together with InstaGen All-in-one battery and inverter. The test conditions are as follows: the grid is in the open-circuit state, and the Nominal power of the inverter exceeds the total power of the Backup loads

This Single-phase Gateway is compatible with the InstaGen Air Source Heat Pump