

INVERTERS

LS-IB1200

Off-grid inverter · Single-phase · 1.2 kW


1.2 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

91 %

MAX. EFFICIENCY

Parameter	Unit	LS-IB1200
PV input		
Max. PV input power	W	1200
Max. PV input voltage	V	150
MPPT voltage range	V	12 – 150
Start-up voltage	V	12.4
Max. input current per MPPT	A	25
Number of MPPT trackers		1
AC output		
Rated output power	W	1200
Rated AC voltage	V	230
Rated AC output current	A	5.2
Phase		Single-phase
Rated AC frequency	Hz	50
Output waveform		Pure sine wave
Peak (surge) power	W	2400
Overload protection threshold	W	1300
UPS switching time		<30 ms
Battery		
Battery type		Lithium-ion, 12-16S
Rated battery voltage	V	51.2
Battery voltage range	V	40 – 57.6
Max. charge current	A	11.5
Max. charge power	W	600
Grid charging voltage	V	57.6

Parameter	Unit	LS-IB1200
Grid input rated voltage	V	230
Grid input frequency	Hz	50/60
Grid input voltage range	V	180 – 270
Grid input max. current	A	3.5
Battery input over-voltage protection	V	60
Battery input under-voltage protection	V	43.5
Efficiency		
Max. efficiency	%	91
MPPT efficiency	%	99.5
Grid charging efficiency	%	88
Protection		
Protection functions		AC output short circuit; AC output overload; DC output overload; Over temperature; Input over-voltage; Input under-voltage; AC over-current
Over-temperature protection threshold	°C	85
Portable and balcony		
Cigarette lighter output		12 V DC, 10 A (over-current protection 12 A)
DC5521 output (shares 10 A with the cigarette lighter)		12 V DC, 10 A (over-current protection 12 A)
USB-A output		18 W: 5 V/3 A, 9 V/2 A, 12 V/1.5 A
USB-C output (18 W)		18 W: 5 V/3 A, 9 V/2 A, 12 V/1.5 A
USB-C output (60 W)		60 W: 5 V/3 A, 9 V/3 A, 12 V/3 A, 15 V/3 A, 20 V/3 A
LED lighting power (max.)	W	5
General data		
Dimensions (W x H x D)	mm	320 × 150 × 210
Weight	kg	4.5
Ingress protection (IP rating)		IP21
Operating temperature range	°C	–20 – 45
Storage temperature range	°C	–30 – 70
Cooling		Air cooling
Warranty	years	5
Communication		
Communication interfaces		RS485

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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