

SolarFlow 1600 AC+



AC Parameters (On-Grid)

Parameter	Single Device	With Additional Batteries
Max. AC Input Power	1400 W	1600 W
Nominal AC Output Power	800 W (default) / 1400 W (*premium)	800 W (default) / 1600 W (*premium)
Max. AC Input Current	6.1 A a.c.	7.0 A a.c.
Nominal AC Output Current	3.5 A a.c. (default) / 6.1 A a.c. (*premium)	3.5 A a.c. (default) / 7.0 A a.c. (*premium)
AC Nominal Input/Output Voltage/Frequency	230 V a.c., 50 Hz	230 V a.c., 50 Hz
Power Factor	0.8(lagging)-0.8(leading)	0.8(lagging)-0.8(leading)

AC Parameters (Off-Grid)

Parameter	Single Device	With Additional Batteries
Max. AC Input Power	1400 VA	1600 VA
Max. AC Output Power	1400 VA	1600 VA (With Additional Battery)2200 W (With Grid-assisted)
Max. AC Input/Output Current	6.1 A a.c.	7.0 A a.c.
AC Nominal Input/Output Voltage/Frequency	230 V a.c., 50 Hz	230 V a.c., 50 Hz
Power Factor	0.8(lagging)-0.8(leading)	0.8(lagging)-0.8(leading)

Battery Information

Battery Type	LiFePO ₄
Battery Rated Energy	1920 Wh
Battery Rated Capacity	40 Ah
Battery Rated Voltage	48 V d.c.
Max. Charge/Discharge Power (Single Device)	1400 W
Max. Charge/Discharge Current	30 A d.c.
Charge Temperature	0° C to 55° C
Discharge Temperature	-20° C to 60° C
Expandable Add-on Battery AB2000L Quantity	5
Maximum Expandable Capacity	1,920Whx5=9,600Wh
Total Maximum Capacity	1,920Wh (built-in) + 9,600Wh = 11,520Wh

*Enabling this function must comply with local regulations and must be performed by professional technicians!

Wireless Information

Bluetooth	Protocol: Bluetooth 5.0 Frequency: 2402-2480MHz Maximum Transmit Power: 20.0 dBm
Wi-Fi	Protocol: 802.11 b/g/n Frequency: 2412-2472MHz Maximum Transmit Power: 20.0 dBm

General Information

Protection Class	I
Recommended Temperature Range	-20° C to 55° C
Ingress Protection	IP65



Add-on Battery AB2000L

Battery Rated Voltage	48V d.c.
Battery Life Cycle	6,000 Cycles
Rated Capacity	40Ah/1920Wh
Rechargeable Li-Ion Battery	LiFePO ₄
Maximum Input/Output Power*	One AB2000L Battery: 1,680W Max Two or More Batteries: 1,920W Max
Compatibility	Hub1200, Hub2000, Ace 1500, Hyper 2000, SolarFlow 800 Series, SolarFlow1600 AC+, SolarFlow2400 AC+, SolarFlow2400 Pro AB1000 Series/AB2000 Series/AB3000L Battery