



A WORLD LEADER

Growatt | 5kW | 48V
Pure Sine Wave Inverter

GROWATT SPF 5000 ES INVERTER SPECIFICATION SHEET

Growatt 5000ES multifunctional off-grid solar inverter, integrated with a MPPT solar charge controller, a high-frequency pure sine wave inverter, and a UPS function module all in one machine. Perfect for off-grid backup power and self-consumption applications.

5000W

Rated **Power**

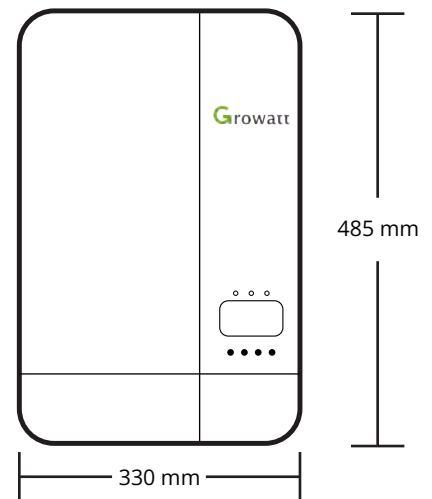
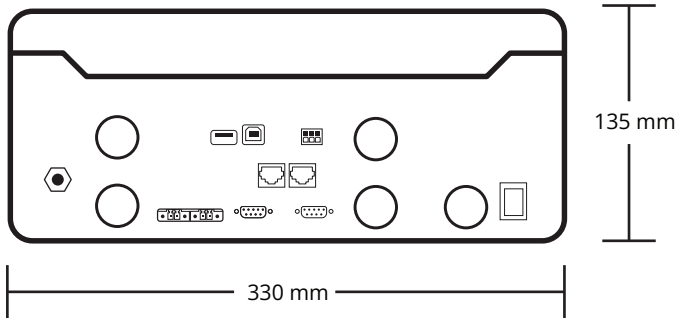
6000W

Max **Solar Array** Power

48V

Battery **Voltage**

DIMENSIONS



SOLAR-READY

INVERTER

SPECIFICATIONS

The Growatt SPF 5000 ES supports MPPT ranges of 120V-430V with a maximum 450VDC producing pure sine wave AC output.

PEACE OF MIND WARRANTY

- ✓ CUSTOMISABLE RUNNING MODES
- ✓ UP TO 6 UNITS PARALLEL
- ✓ CAN & RS485 COMMUNICATION
- ✓ WIFI/GPRS REMOTE MONITORING
- ✓ LiFe, LiFePO4 & GEL BATTERY COMPATIBLE
- ✓ DC/AC RATION UP TO 1.2
- ✓ 2X PEAK POWER ABILITY
- ✓ INTEGRATED MPPT SOLAR CONTROLLER

We reserve the right to change information without prior notice. Information is checked to ensure for accuracy, however we will not be held responsible for clerical errors (Errors and Omissions Excepted)

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DIMENSIONS

Length	485mm
Width	330mm
Height	135mm
Weight	12kg

AC Charger

AC Charge Current	80A
AC Input Voltage	230VAC
Selectable Voltage Range	90VAC - 280VAC

PV SPECIFICATIONS

Max. PV Input Voltage	450VDC
MPPT Voltage Range	120VDC - 430VDC
Number of Input Strings	1
Max. PV Input Current	18A
Max. Charge Current	100A

OUTPUT SPECIFICATIONS

Rated Power	5000W
Battery Voltage	48VDC
Max. Parallel Units	6 Units
AC Voltage Regulation	230VAC ± 5% @ 50Hz
Surge Power	10 000VA
Charge Efficiency (Peak)	93%
Waveform	Pure Sine Wave
Transfer Time	10ms - 20ms

BATTERY SPECIFICATIONS

Battery Type	Lead-Acid / Lithium
Battery Input	48VDC, 117A
Altitude	<2000m
Operating Temperature Range	0°C - 55°C
Rated Short-time Withstand Current	ICC ≤ 6kA

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