



# ELS-5K

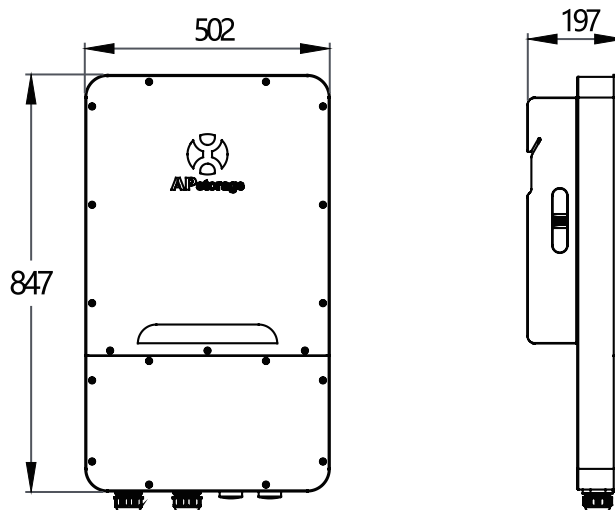
## Sea Series PCS

- Nominal Power Rating up to 5000VA
- Peak Backup Power up to 7500VA
- Max Efficiency up to 96.5%
- 48V Low Battery Voltage Input

## PRODUCT FEATURES

The Sea Series PCS is a smart Power Conversion System. It can manage energy throughout the day automatically by the intelligent software. It can discharge when off grid, also it can charge the redundant solar energy to increase economic benefits.

## DIMENSIONS



<b>Model</b>	ELS-5K
<b>Region</b>	EU/AU

## General Specification

Dimensions W/H/D	847×502×197mm
Weight	37kg
Maximum Efficiency	96.5%
Temperature Range	-25°C-65°C (-13°F-149°F)
Ingress Protection	IP65
Relative Humidity	10%-90%
Ventilation	Natural convection
Communication Ports	Ethernet/ Wireless/RS485/CAN
Zigbee Frequency Range	2405MHz - 2480MHz
Zigbee Maximum Power	8.94 dBm
Wi-Fi Frequency Range	2412MHz - 2472MHz
Wi-Fi Maximum Power	16.97 dBm
Parallel Function	Yes
Grid Regulation	VDE-AR-N 4105; Pending:CEI 0-21;TORErzeuger; OVE_Richtlinie_R_25; AS/NZS 4777.2
Safety	IEC/EN 62477-1; Pending: IEC 62040-1; IEC/EN 62109-1/-2
EMC/EMI Protection	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

## Battery Input/Output Data

DC Battery Input Voltage	40.0-60.0VDC
Battery Capacity	50-800Ah
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Max Continuous Charge Current	100A/96A(DE)
Max Continuous Discharge Current	100A/96A(DE)

## AC Output Data (On-grid)

Max. Continuous Output Power	*5000VA/4600VA(DE)
Max. Continuous Output Current	21.7A/20.0A(DE)
Max. Continuous Current From Utility Grid	43.4A/40.0A(DE)
Nominal Output Voltage	230V(±2%)
Nominal Output Voltage Range	184-264V
Nominal Output Frequency/Range	50Hz/47.5-50.5Hz
Output Power Factor	>0.99(Adjustable from 0.8 leading to 0.8 lagging)
THD	<3%
Grid Connection	Single-phase

## AC Output Data (Backup)

Max. Output Apparent Power@240V	5000VA/4600VA(DE)
Peak Output Apparent Power@240V	7500VA/6900(DE) (10s)
Max. Output Current	21.7A/20.0A(DE)
Nominal Output Voltage	230V(±2%)
Nominal Output Frequency	50Hz

\*AS4777.2:4991VA

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Specifications subject to change without notice please ensure you are using the most recent update found at web : [emea.APsystems.com](http://emea.APsystems.com)

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