



APstorage Sea Family ELS Series PCS

ELS-3K for residential storage

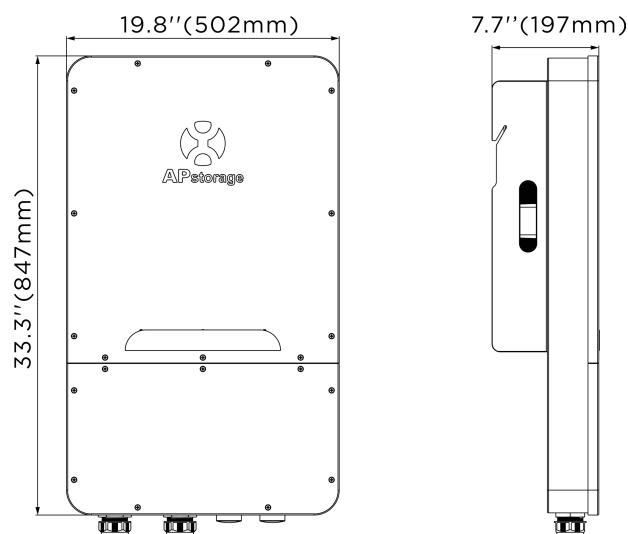
- Nominal Power Rating up to 3680VA
- Peak Backup Power up to 5520VA
- Max Efficiency up to 96.5%
- 48V Low Battery Voltage Input

PRODUCT FEATURES

APstorage introduces its 1st generation of smart Power Conversion Systems with the ELS-3K battery charger solution.

Together with compatible low voltage batteries connected, it becomes the ideal AC coupling storage solution for residential PV applications. With automatic energy management features based on intelligent software and integrated monitoring, system owners can choose between back-up, self-consumption and peak valley time modes to secure critical loads during power outages and maximize energy savings for their houses.

DIMENSIONS



Model
Region

ELS-3K
NA

General Specifications

Dimensions W/H/D	33.3"×19.8"×7.7" (847×502×197mm)
Weight	66lbs (30kg)
Maximum Efficiency	96.5%
Temperature Range	-25°C-65°C (-13°F-149°F)
Ingress Protection	Type 4X
Relative Humidity	10%-90%
Ventilation	Natural convection
Communication Ports	Ethernet/ Wireless/RS485/CAN
Parallel Function	Yes
Grid Regulation Safety and EMC Compliance	UL1741; CSA C22.2 No. 107.1-16; CA Rule21(UL1741SA); ANSI/CAN/UL-9540(For energy storage system) FCC part15; ICES-003

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	77A
Max Continuous Discharge Current	77A

AC Output Data (On-grid)

Max. Continuous Output Power	3680VA
Max. Continuous Output Current	15.3A
Max. Continuous Current From Utility Grid	30.6A
Max. Output Fault Current (AC) and Duration	60.66Apk, 10.5ms; 9.32Arms @3cycles; 7.23Arms @5cycles
Nominal Output Voltage	240V
Nominal Output Voltage Range	211V-264V ⁽¹⁾
Nominal Output Frequency/Range	60Hz/59.3-60.5Hz ⁽¹⁾
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	3680VA
Peak Output Apparent Power@240V	5520VA(10s)
Max. Output Current	15.3A
Nominal Output Voltage L1-L2/L-N	240VAC/120VAC (with external transformer)
Nominal Output Frequency	60Hz

(1) Voltage/frequency range can be adjusted if required by local utility

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