

HELIOS ESS Purchasing Guide

Common Configurations for Residential and Commercial Installations

This guide helps ensure correct quantities and part numbers for common HELIOS ESS system set ups. Additional configurations are possible beyond those listed.

PART NUMBER	DESCRIPTION	QTY
52-48-16000	HELIOS ESS Battery 16.1 kWh 51.2V 314 Ah Outdoor	1
950-0067	Sol-Ark 15k Conduit Box - (No Cables)	1
950-0068	Parallel Battery To Battery Cable Set - (1-Cat6 1.35m, 1-Pos, 1-Neg, 2/0 1.35m)	0
950-0070	Battery To Inverter Cable Set - (2-Pos, 2-Neg 2/0 1.0m)	1
950-0071 (Optional) ^a	Battery To Inverter Cable Set - (2-Pos, 2-Neg 1/0 1.0m)	1
950-0069 (Optional) ^b	Battery Module Lift Handle Set - (L-Handle, R-Handle)	1
950-0072 (Optional) ^c	Battery Connector Set - (1-Pos, 1-Neg)	1
950-0050 (Optional) ^d	LYNK II Communication Gateway	1

a. If 2/0 AWG is oversized for the application / b. If lifting assistance is needed / c. If installation requires longer cables / d. Required for integration with LYNK Cloud for remote monitoring, programmable relays and closed-loop communication with Schneider, SMA and other inverter chargers.



*Inverter not included.
For illustration purposes only.*

PART NUMBER	DESCRIPTION	QTY
52-48-16000	HELIOS ESS Battery 16.1 kWh 51.2V 314 Ah Outdoor	2
950-0067	Sol-Ark 15k Conduit Box - (No Cables)	2
950-0068	Parallel Battery To Battery Cable Set - (1-Cat6 1.35m, 1-Pos, 1-Neg, 2/0 1.35m)	1
950-0070	Battery To Inverter Cable Set - (2-Pos, 2-Neg 2/0 1.0m)	1
950-0071 (Optional) ^a	Battery To Inverter Cable Set - (2-Pos, 2-Neg 1/0 1.0m)	1
950-0069 (Optional) ^b	Battery Module Lift Handle Set - (L-Handle, R-Handle)	1
950-0072 (Optional) ^c	Battery Connector Set - (1-Pos, 1-Neg)	1
950-0050 (Optional) ^d	LYNK II Communication Gateway	1

a. If 2/0 AWG is oversized for the application / b. If lifting assistance is needed / c. If installation requires longer cables / d. Required for integration with LYNK Cloud for remote monitoring, programmable relays and closed-loop communication with Schneider, SMA and other inverter chargers.



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PART NUMBER	DESCRIPTION	QTY
52-48-16000	HELIOS ESS Battery 16.1 kWh 51.2V 314 Ah Outdoor	3
950-0067	Sol-Ark 15k Conduit Box - (No Cables)	3
950-0068	Parallel Battery To Battery Cable Set - (1-Cat6 1.35m, 1-Pos, 1-Neg, 2/0 1.35m)	2
950-0070	Battery To Inverter Cable Set - (2-Pos, 2-Neg 2/0 1.0m)	1
950-0071 (Optional) ^a	Battery To Inverter Cable Set - (2-Pos, 2-Neg 1/0 1.0m)	1
950-0069 (Optional) ^b	Battery Module Lift Handle Set - (L-Handle, R-Handle)	1
950-0072 (Optional) ^c	Battery Connector Set - (1-Pos, 1-Neg)	1
950-0050 (Optional) ^d	LYNK II Communication Gateway	1

a. If 2/0 AWG is oversized for the application / b. If lifting assistance is needed / c. If installation requires longer cables / d. Required for integration with LYNK Cloud for remote monitoring, programmable relays and closed-loop communication with Schneider, SMA and other inverter chargers.



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52-48-16000 HELIOS ESS BATTERY MODULE

16kWh / 314Ah / 51.2V

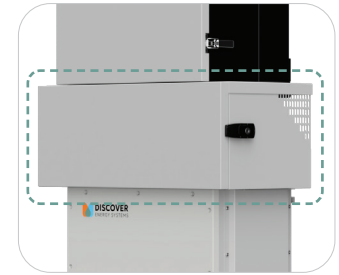
- 10k W continuous, 26 kW peak power (10 sec), with 94.4 MWh lifetime energy throughput.
- Up to 36 modules (579.6 kWh) in parallel with Closed-loop communication.
- 10-Year Warranty, plus Energy Performance Guarantee.



950-0067 - SOL-ARK 15K CONDUIT BOX

NO CABLES

- Designed for seamless integration of the HELIOS ESS with Sol-Ark 15K inverters.
- Provides clean, secure cable management and enhanced installation safety.



950-0068 - PARALLEL BATTERY TO BATTERY CABLE SET

1.35M

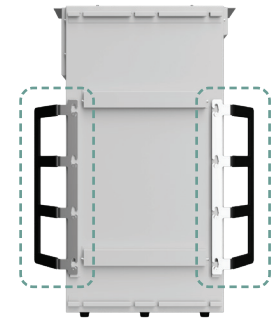
- 1x CAT6 communication cable, 1x positive and 1x negative 2/0 gauge power cables (1.35m).
- Allows parallel connection of two HELIOS ESS batteries; up to three batteries can be connected using this method. Additional batteries require an external busbar.



950-0069 - BATTERY MODULE LIFT HANDLE SET

LEFT AND RIGHT

- Heavy-duty, ergonomic handles designed for safe and efficient lifting of HELIOS ESS modules.
- Includes both left and right handles for balanced handling during installation.



950-0070 - BATTERY TO INVERTER CABLE SET

1.0M, 2/0 AWG

- 2x positive and 2x negative 2/0 gauge cables (1.0m) for battery-to-inverter connections.
- High-current capacity cables for optimal power transfer and system performance.



950-0071 - BATTERY TO INVERTER CABLE SET

1.0M, 1/0 AWG

- 2x positive and 2x negative 1/0 gauge cables (1.0m) for battery-to-inverter connections.
- Provides flexibility for systems requiring lower gauge cable configurations.



950-0072 - BATTERY CONNECTOR SET

1 POSITIVE, 1 NEGATIVE

- Positive and negative battery connectors for custom cable fabrication when lengths provided are insufficient.



950-0025 - LYNK II GATEWAY

- Enables closed-loop communication with Schneider, SMA and other hybrid inverter-chargers.
- Required for integration with LYNK Cloud for remote monitoring.
- Needed to control external devices such as generators and HVAC.

