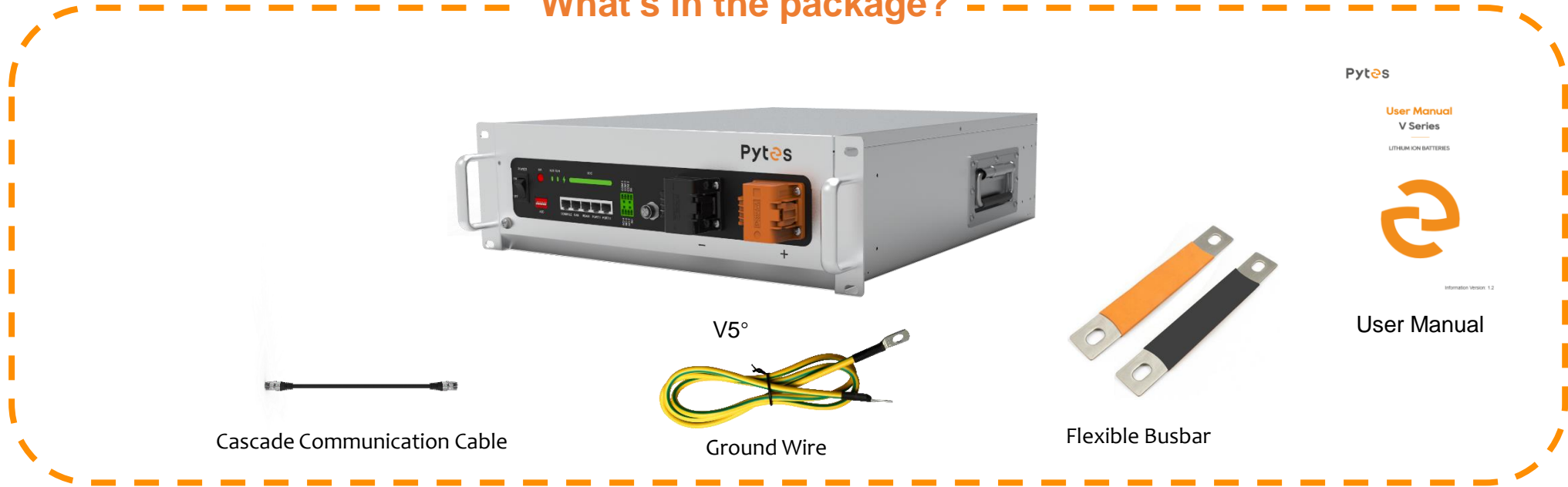


Sol-Ark & V5° Package



V5° Packing List

What's in the package?



Serial Number	Name	Specification
110402100135	V5°	51.2V, 100Ah, 75A Standard Charge/Discharge Current
161412101043	Cascade Communication Cable	CAT6 13.77inch (350 mm) RJ45 Communication Cable (battery to battery)
161412100230	Ground Wire	10AWG/39.37inch (1000mm)/SC10-6
150211100156	Flexible Busbar	Busbar for parallel connection between batteries: Length: 190mm/Ampacity: 300A
/	User Manual	V5°User Manual-EN

V5° Accessories



110409100001



162002100019



161412101071



161506100003



110409100027



110409100167



161412101043 0 AWG



161412100465 2/0 AWG



161412100461 4/0 AWG

Accessories List

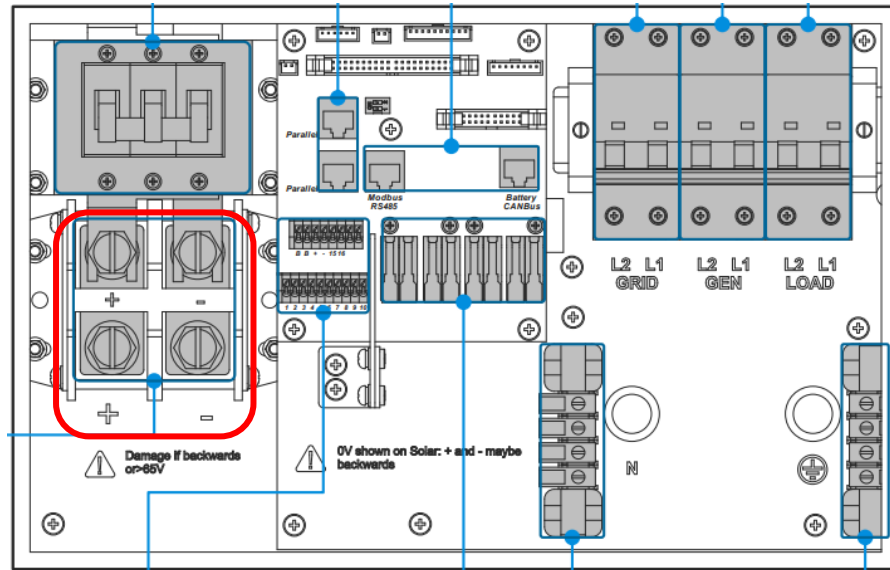
SN	Name	Specification
161412100461	0000AWG Power Cable	UL10269--4/0AWG—78.74inch (2000mm)—DTF120-10*2
161412100465	00AWG Power Cable	UL10269--2/0AWG--78.74inch (2000mm)—SC70-10*2
161412101043	0AWG Power Cable	UL10269--1/0AWG--78.74inch (2000mm)--SC50-6/SC50-10
161412101071	Communication Cables 3.5m	Sol Ark, Megarevo, Luxpower, Growatt, APSsystems, SMA
110409100001	Hub	Enables communication with multiple groups of batteries
162002100019	V5 WIFI Dongle	Remote upgrade and monitoring
110409100167	V Busbar-SA15K	300A, Combine two sets battery DC ports of Sol-Ark 15K
161506100003	300A Busbar	300A/12*M5+2*M10 Terminals
110409100027	600A Busbar	600A/6*M10+2*M8 Terminals

Ampacity of Battery Cables

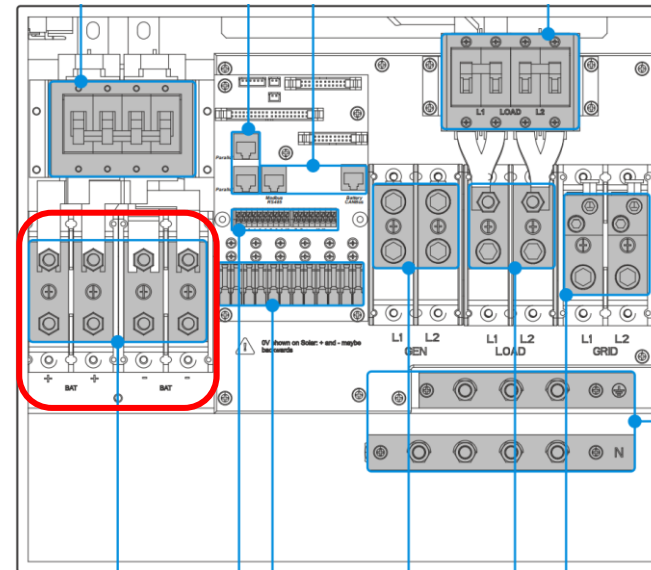
AWG	Area		Standard Current	Max. Current
	(kcmil)	(mm ²)	(A)	(A)
4/0	211.48	107.22	423.2	482.6
3/0	167.67	85.01	335.5	382.6
2/0	133	67.43	266.2	303.6
1/0	105.5	53.49	211.1	240.7
1	83.65	42.41	167.4	190.9
2	66.31	33.62	132.7	161.3
3	52.6	26.67	105.2	120.0
4	41.7	21.15	83.5	95.2

V5° recommended power cable

5K-12K



15K



Model	Max DC Current	Power cable
5K	120A	1/0 AWG 1 pair
8K	185A	2/0 AWG or 4/0 AWG 1 pair
12K	185A	2/0 AWG or 4/0 AWG 1 pair
15K	275A	2/0 AWG 2 pair & 4/0 AWG 1pair+V busbar

V5° Enclosures



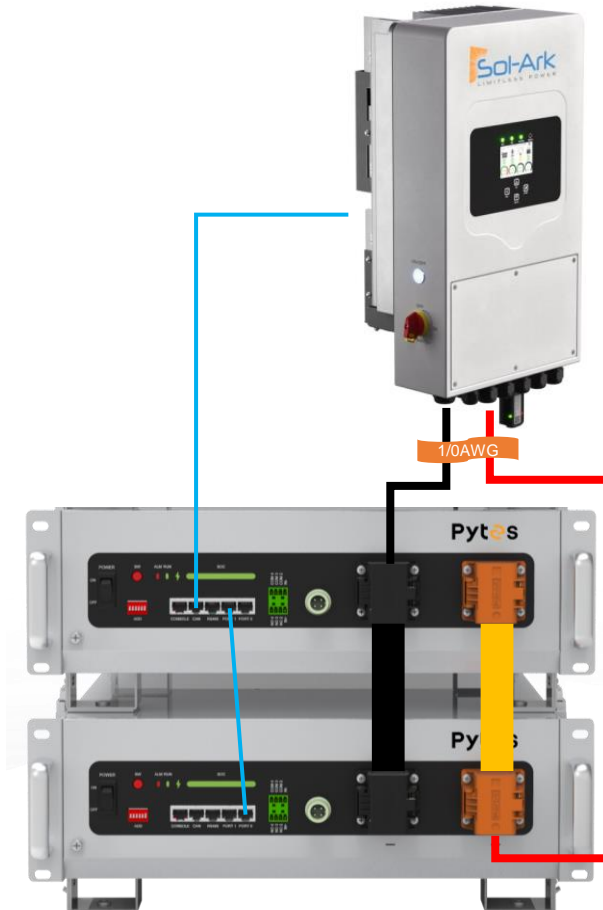
Product	V5° Bracket 150208100001	V-BOX-IC se 110409100165	V-BOX-IC 110409100163	V-BOX-OC 110409100154 & 110409100149
Mounting	Stack	Floor(movable)	Floor(movable)	Floor
Enclosure Protection	IP20	IP20	IP20	IP55/NEMA 3
Install Location	Indoor	Indoor	Indoor	Indoor/Outdoor
Max Battery	1	3	3	4
Dimensions(L*W*H)	7.0*2.4*2.0 inch	21.0*22.2*26.0 inch	21.0 * 24.1 * 25.2 inch	25.4*15.6*54.9 inch
Weight	4.85lbs	61.1lbs	100lbs	194lbs
Enclosure Material	SGCC	SGCC	SGCC	SGCC
Integrated Busbar & Breaker	/	/	/	Busbar & Breaker



5kW + 10kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pc
110402100135	V5°	2 pcs
161412101024 161412101026	+/- 1/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	2 set
161412100229	Standard Communication Cable	1 pc

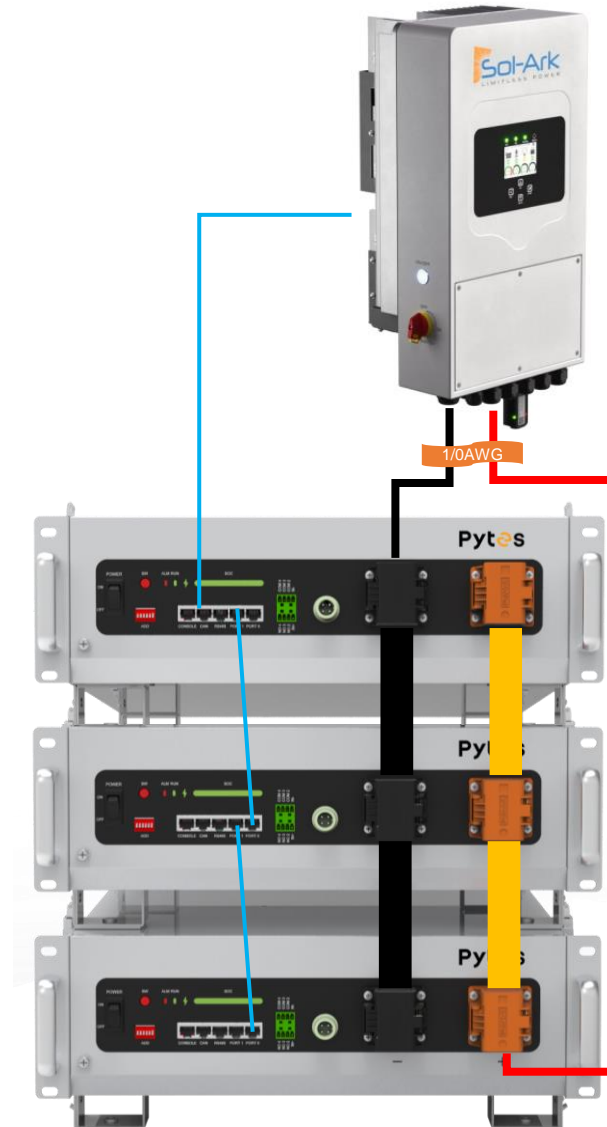




5kW + 15kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pcs
110402100135	V5°	3 pcs
161412101024 161412101026	+/- 1/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	3 sets
161412100229	Standard Communication Cable	1 pcs





5kW + 15kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted (movable)
- ✓ Indoor Rated



V-BOX-IC se



V-BOX-IC

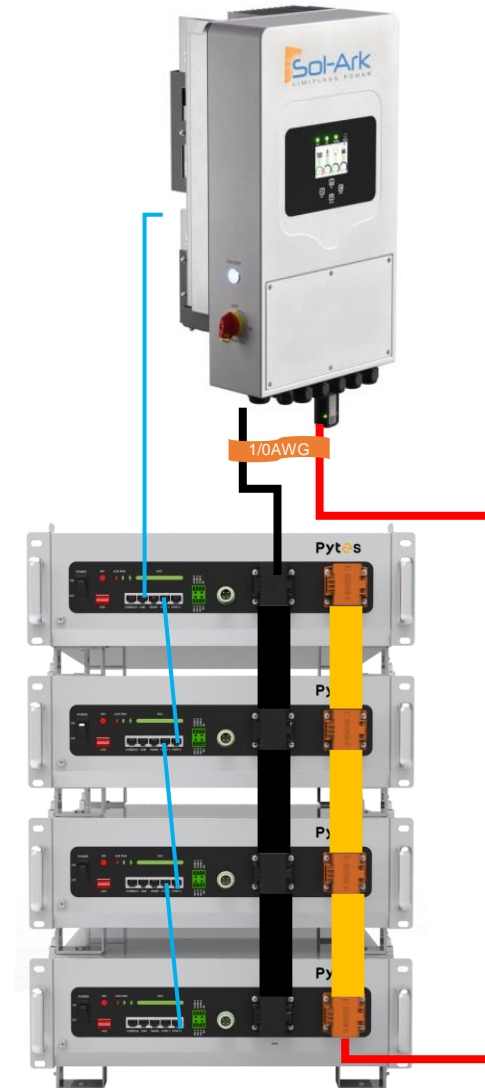
Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pcs
110402100135	V5°	3 pcs
110409100168	+/- 4/0 AWG 2000mm 90° Power cable	1 pair
110409100163 or 110409100165	V-BOX-IC or V-BOX-IC se	1 pc
161412100229	Standard Communication Cable	1 pcs



5kW + 20kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pc
110402100135	V5°	4 pcs
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	4 sets
161412100229	Standard Communication Cable	1 pc

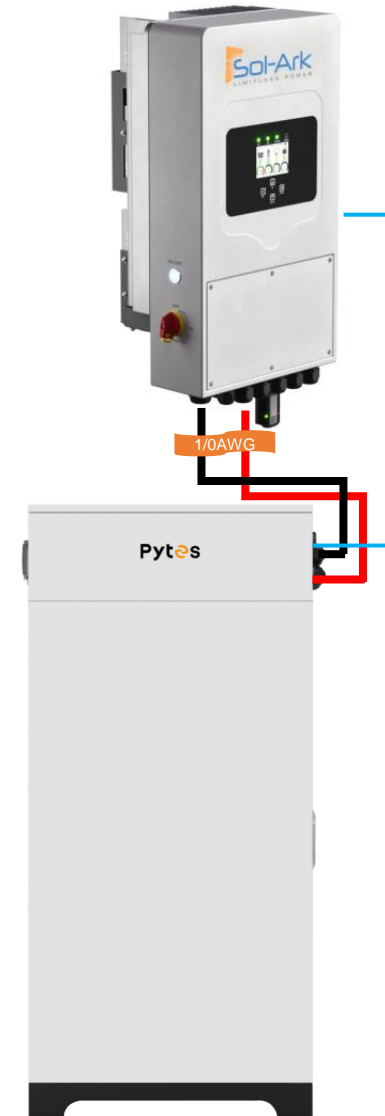




5kW + 20kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pc
110402100135	V5°	4 pcs
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	1 pair
110409100154 110409100149	V-BOX-OC	1 set
161412100229	Standard Communication Cable	1 pc

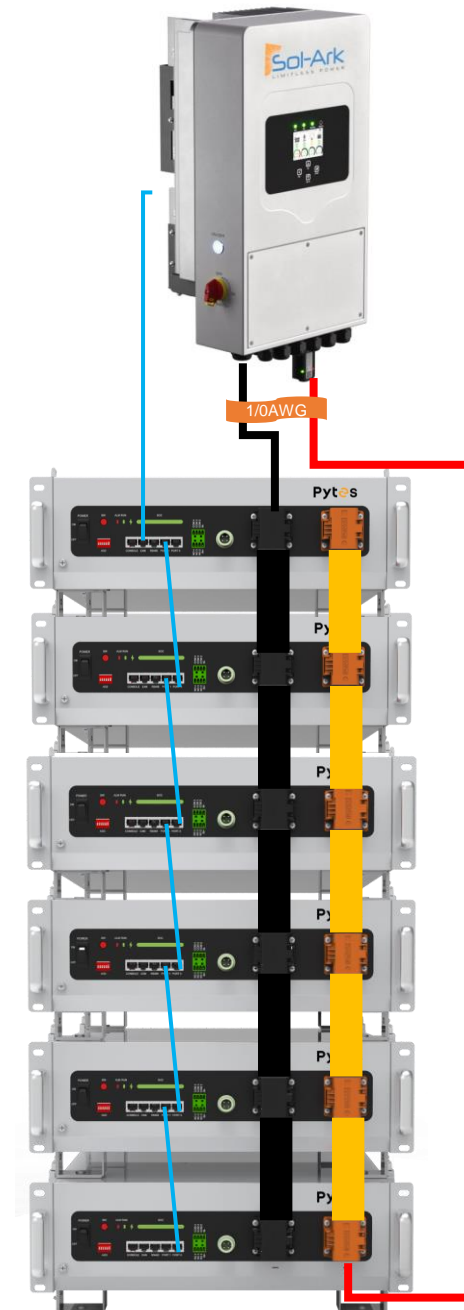




5kW + 30kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pc
110402100135	V5°	6 pcs
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	6 sets
161412100229	Standard Communication Cable	1 pc



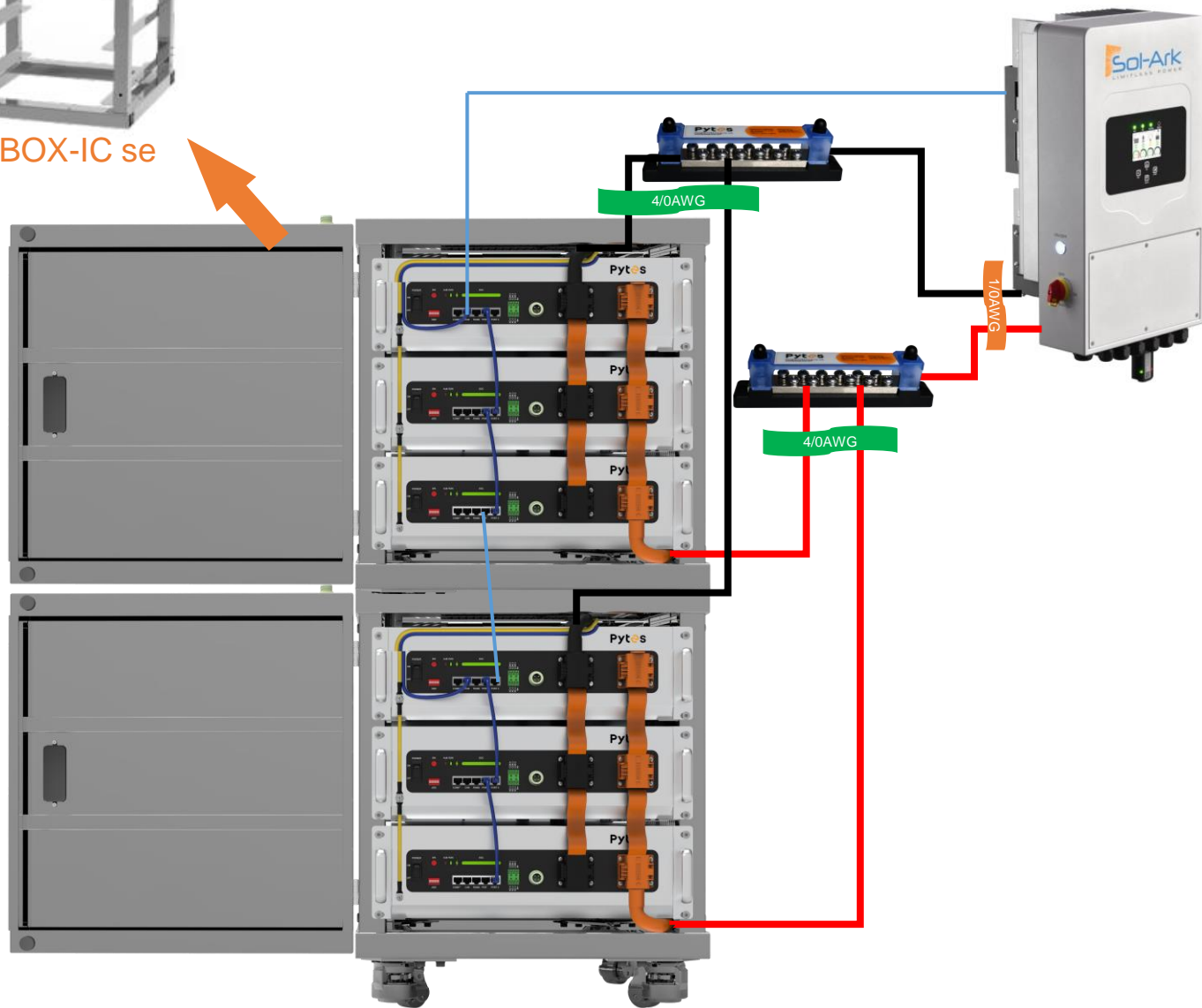


5kW + 30kWh

- ✓ Floor Mounted
- ✓ Indoor Rated



V-BOX-IC se

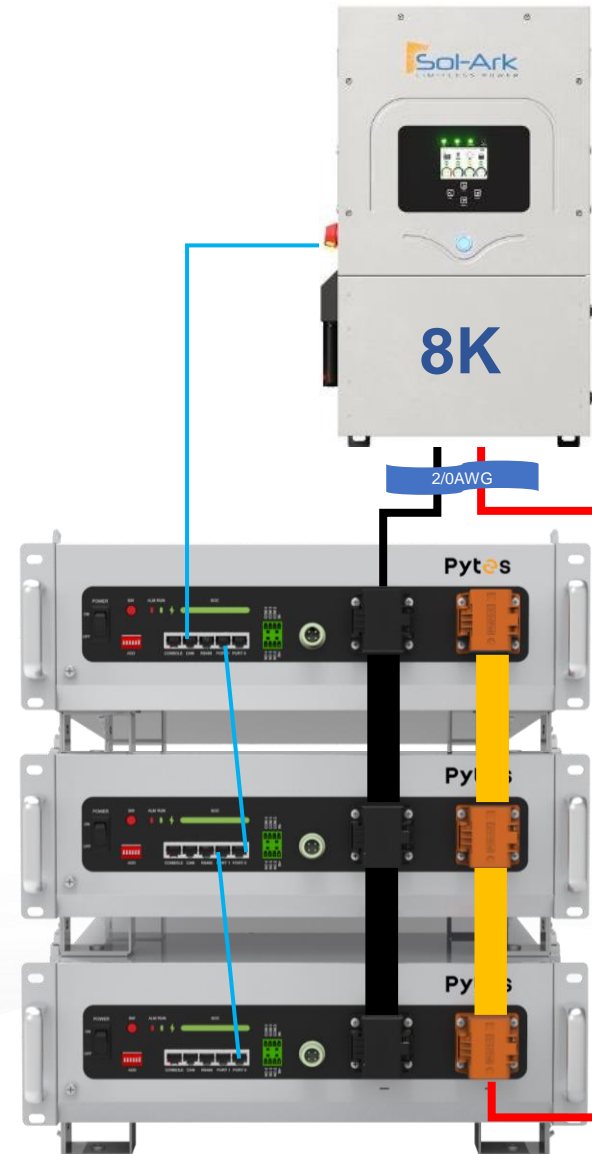


Series Number	Bill of Materials	Quantity
162002100027 or 162002100035	Sol Ark 5K-1P-N or Sol Ark 5K-2P-N	1 pc
110402100135	V5°	6 pcs
110409100168	+/- 4/0 AWG 2000mm 90°Power cable	2 pairs
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	1 pair
110409100026	300A Busbar	1 pair
110409100163 or 110409100165	V-BOX-IC or V-BOX-IC-se	2 pcs
161412100229	Standard Communication Cable	1 pc



8kW + 15kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Indoor Rated



Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	3 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	3 sets
161412100229	Standard Communication Cable	1 pc



8kW + 15kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted (movable)
- ✓ Indoor Rated



V-BOX-IC se



8K

4/0AWG



V-BOX-IC

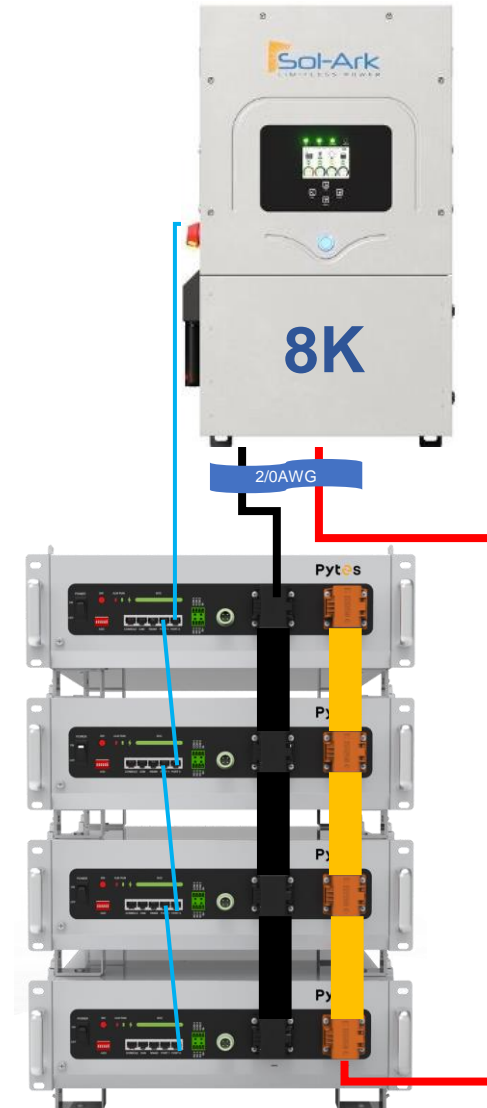
Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	3 pcs
110409100168	+/- 4/0 AWG 2000mm 90°Power cable	1 pairs
110409100163 or 110409100165	V-BOX-IC or V-BOX-IC se	1 pc
161412100229	Standard Communication Cable	1 pc



8kW + 20kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	4 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	4 sets
161412100229	Standard Communication Cable	1 pc

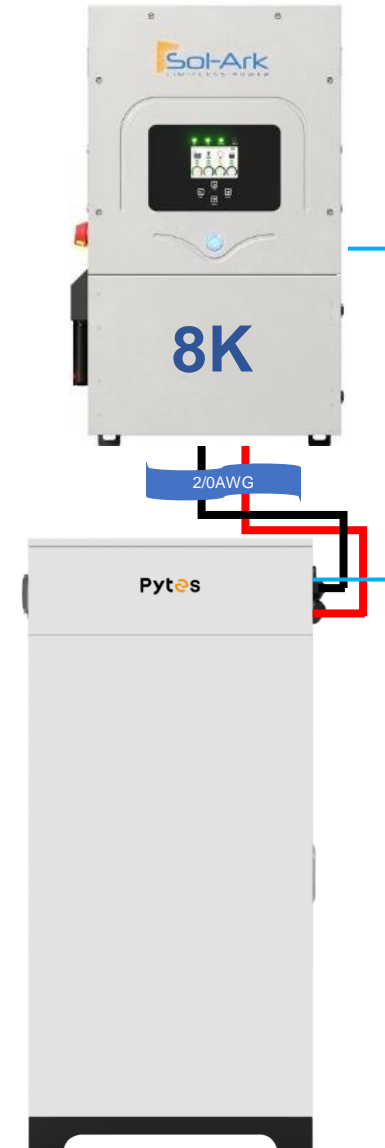




8kW + 20kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	4 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
110409100154 110409100149	V-BOX-OC	1 set
161412100229	Standard Communication Cable	1 pc

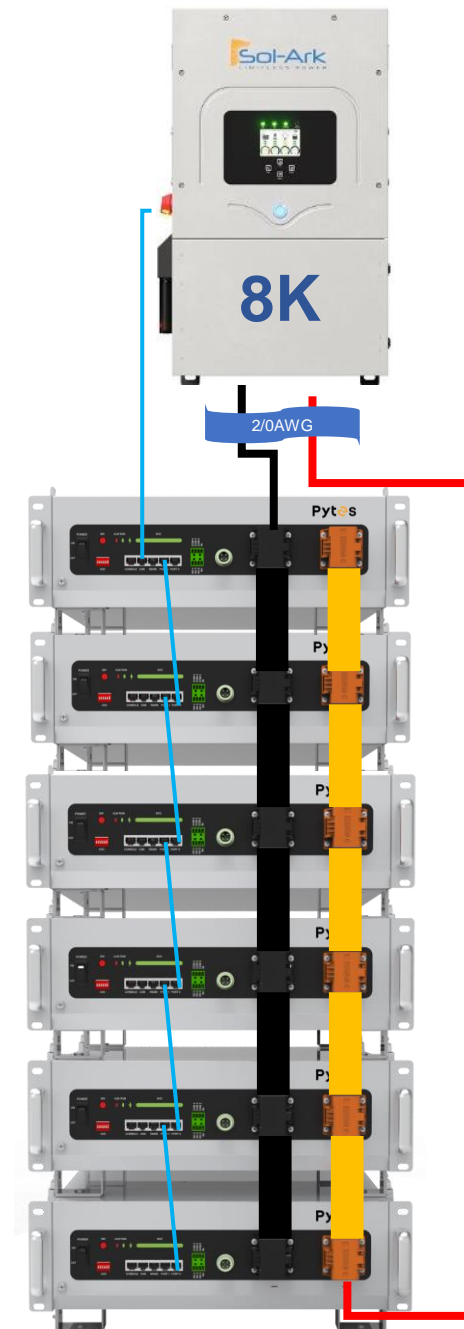




8kW + 30kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	6 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	6 sets
161412100229	Standard Communication Cable	1 pc



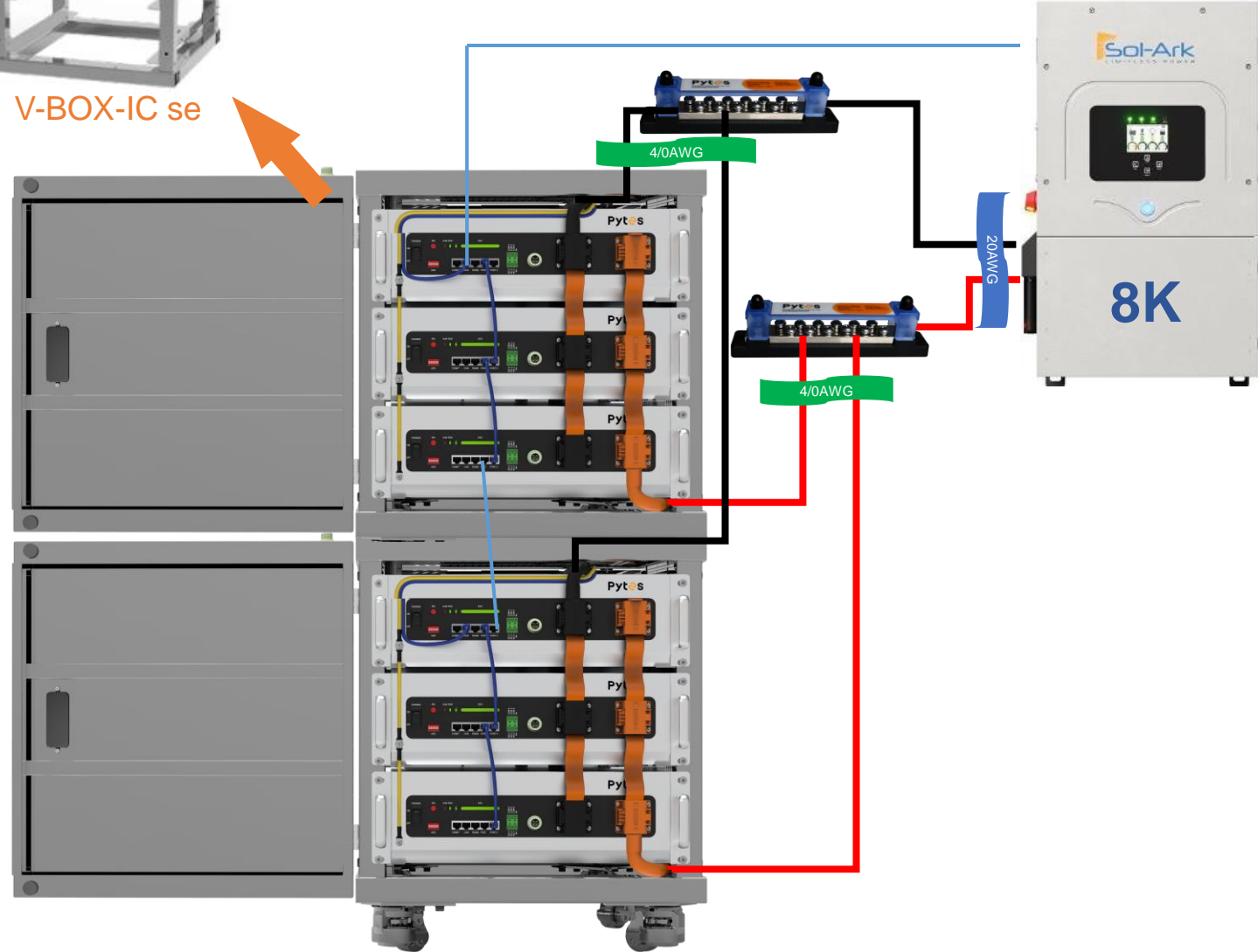


8kW + 30kWh

- ✓ Floor Mounted (movable)
- ✓ Indoor Rated



V-BOX-IC se



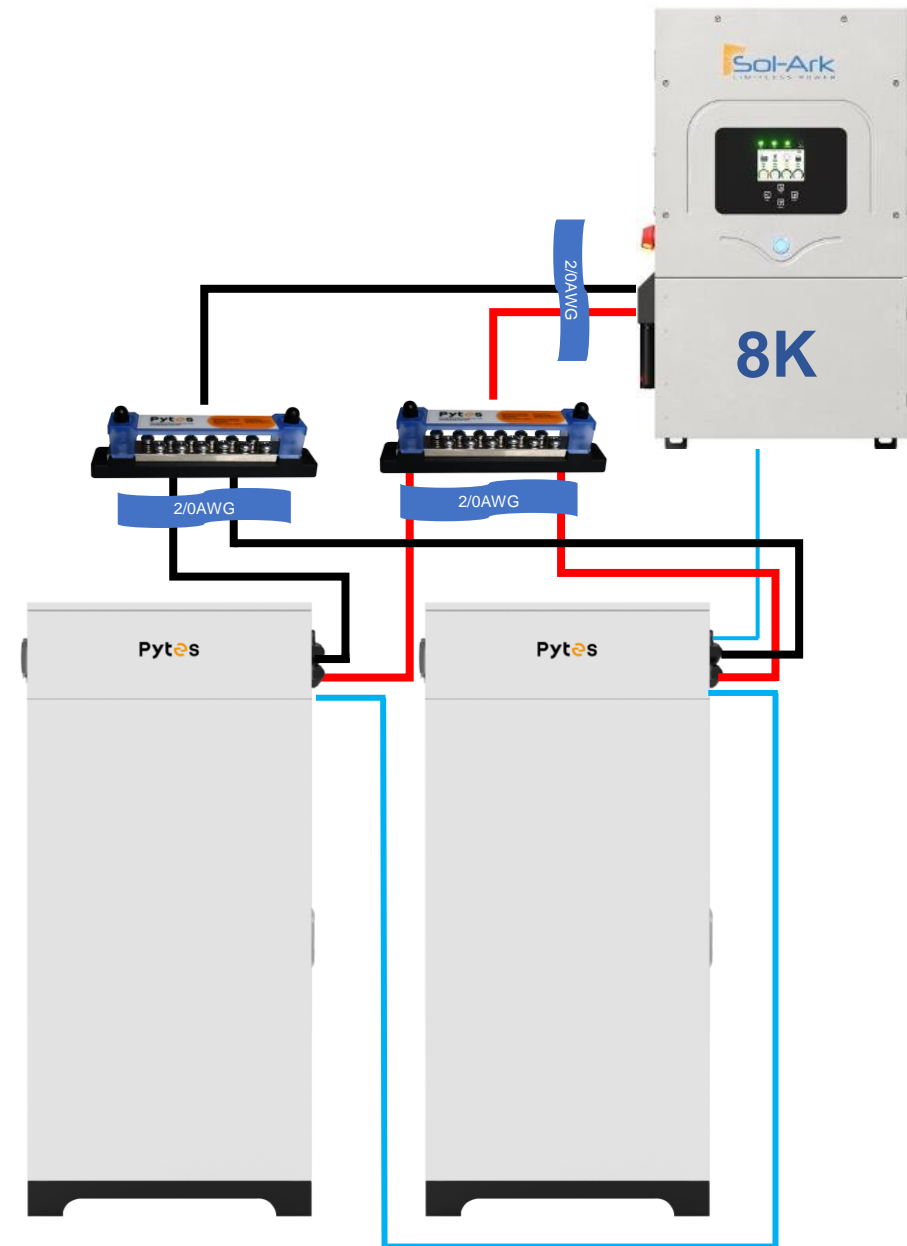
Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	6 pcs
110409100168	+/- 4/0 AWG 2000mm 90° Power cable	2 pairs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
110409100026	300A Busbar	1 pair
110409100163 or 110409100165	V-BOX-IC or V-BOX-IC-se	2 pcs
161412100229	Standard Communication Cable	2 pc



8kW + 40kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
110409100154 110409100149	V-BOX-OC	2 sets
161412100229	Standard Communication Cable	2 pcs

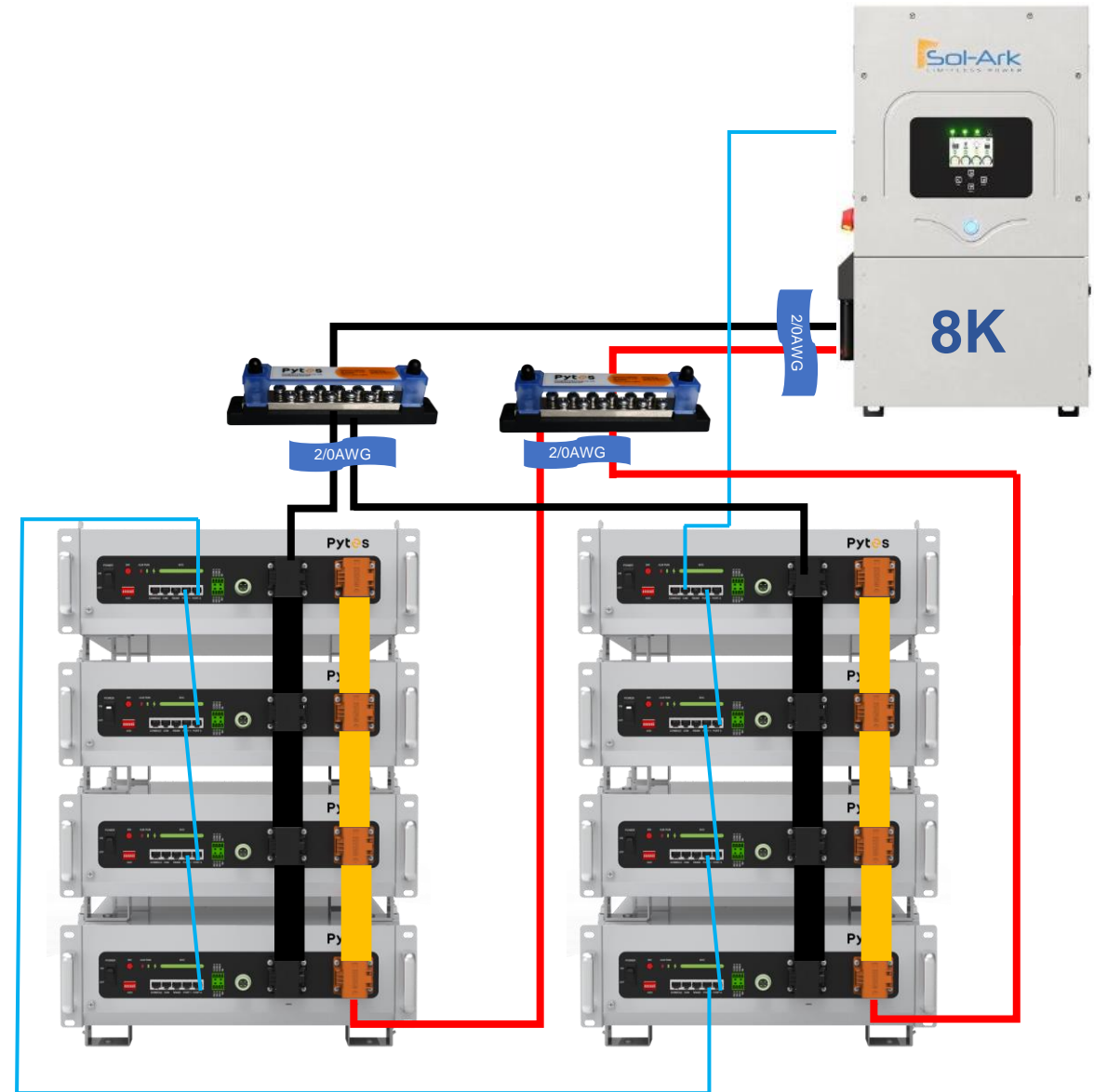




8kW + 40kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	8 sets
161412100229	Standard Communication Cable	2 pcs

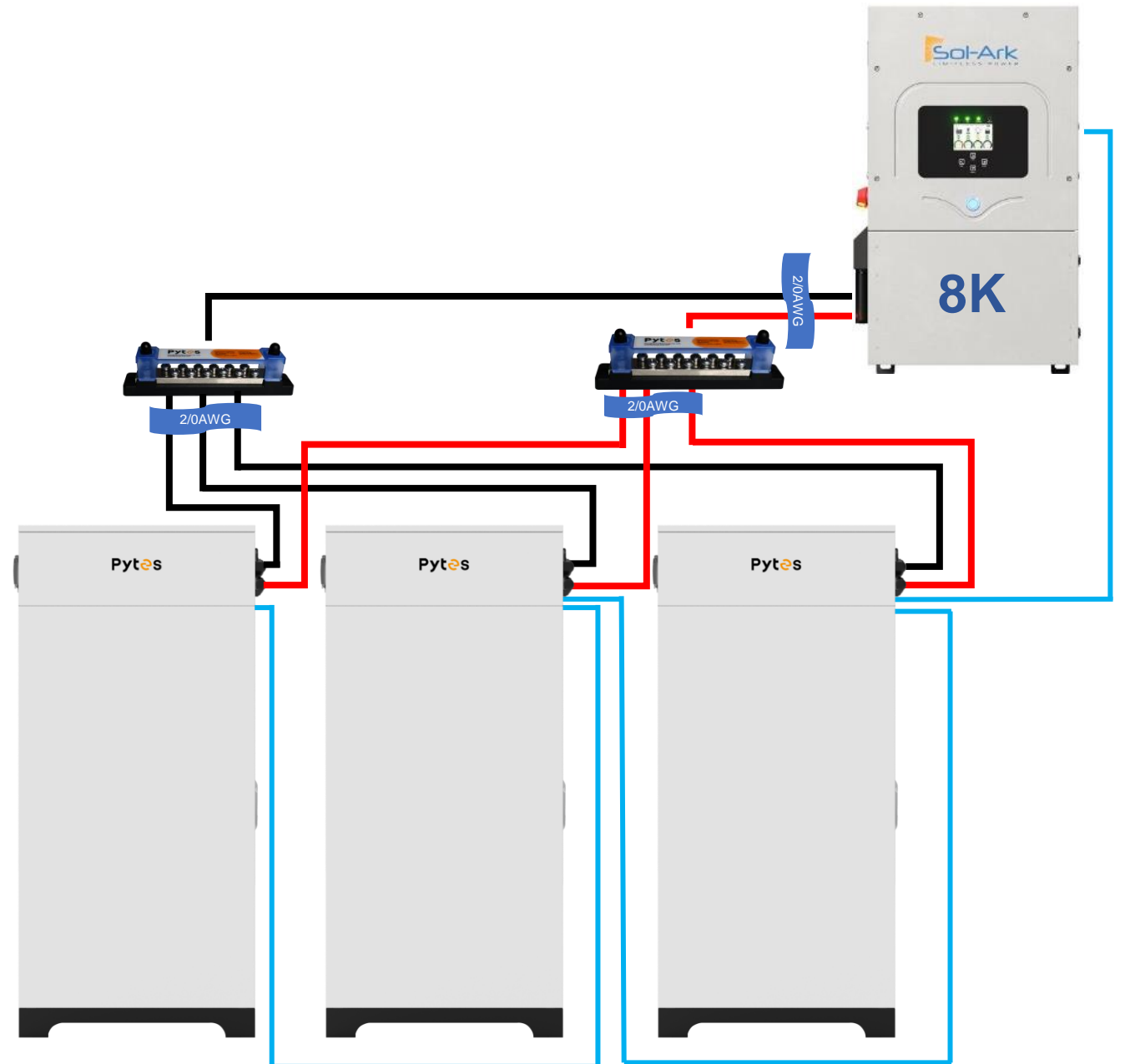




8kW + 60kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	12 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	4 pairs
110409100026	300A Busbar	1 pair
110409100154 110409100149	V-BOX-OC	3 sets
161412100229	Standard Communication Cable	3 pcs

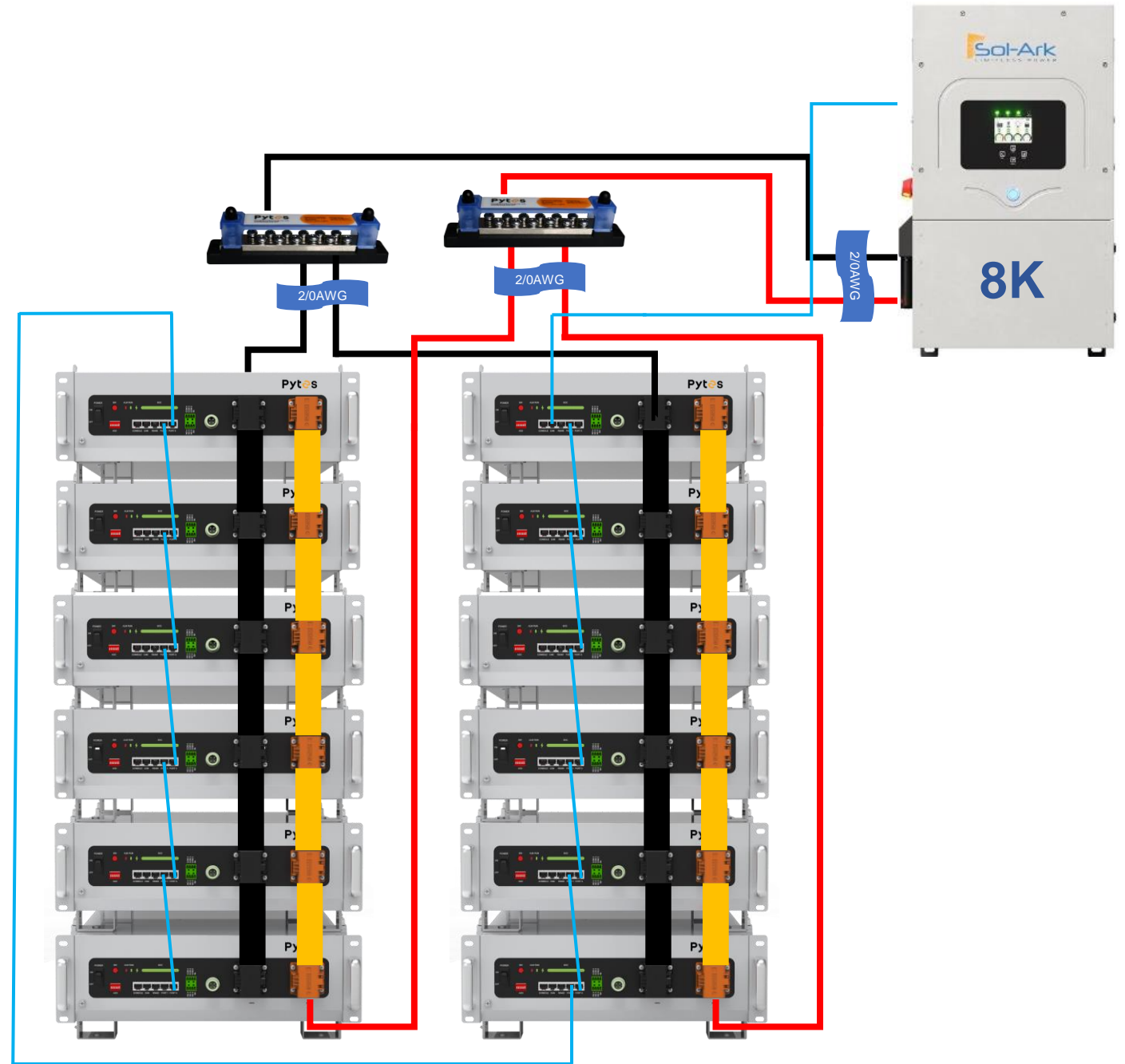




8kW + 60kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
162002100028	Sol Ark 8K-2P-N	1 pc
110402100135	V5°	12 pcs
161412101024 161412101026	+/- 2/0 AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	12 sets
161412100229	Standard Communication Cable	2 pcs

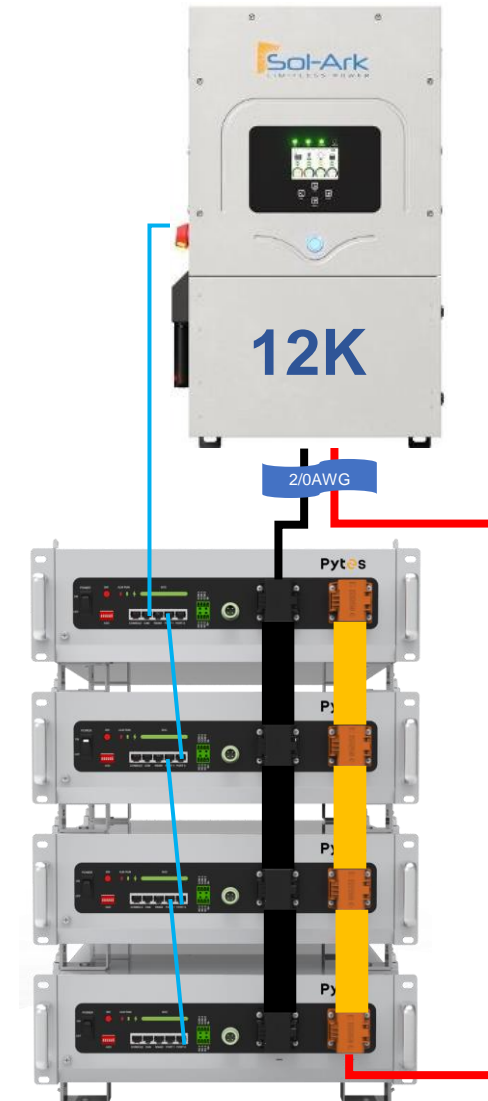




12kW + 20kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	4 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	4 sets
161412100229	Standard Communication Cable	1 pc

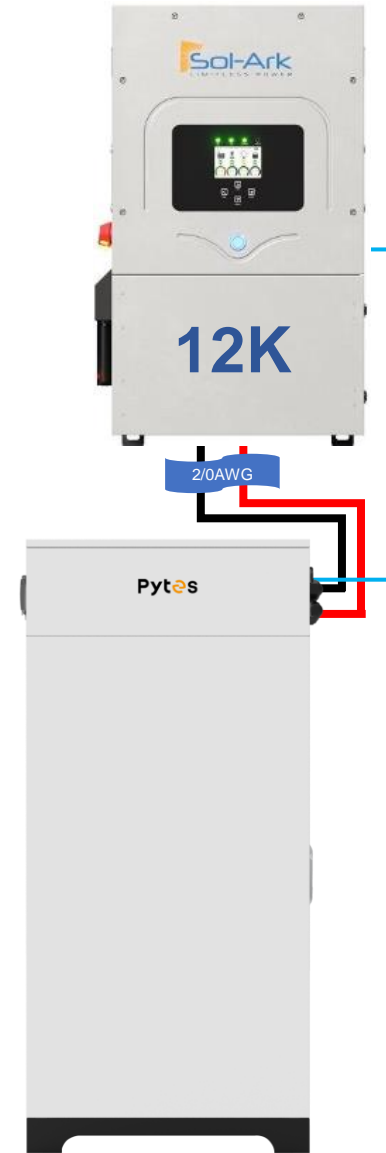




12kW + 20kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	4 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
110409100154 110409100149	V-BOX-OC	1 set
161412100229	Standard Communication Cable	1 pcs

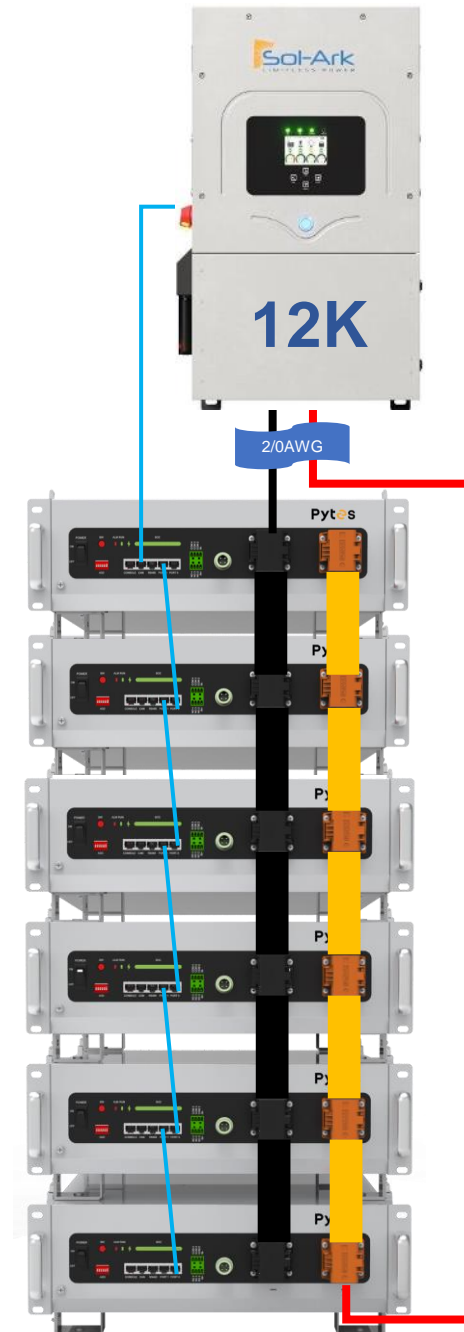




12kW + 30kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	6 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
150208100001	V5° Bracket	6 sets
161412100229	Standard Communication Cable	1 pc



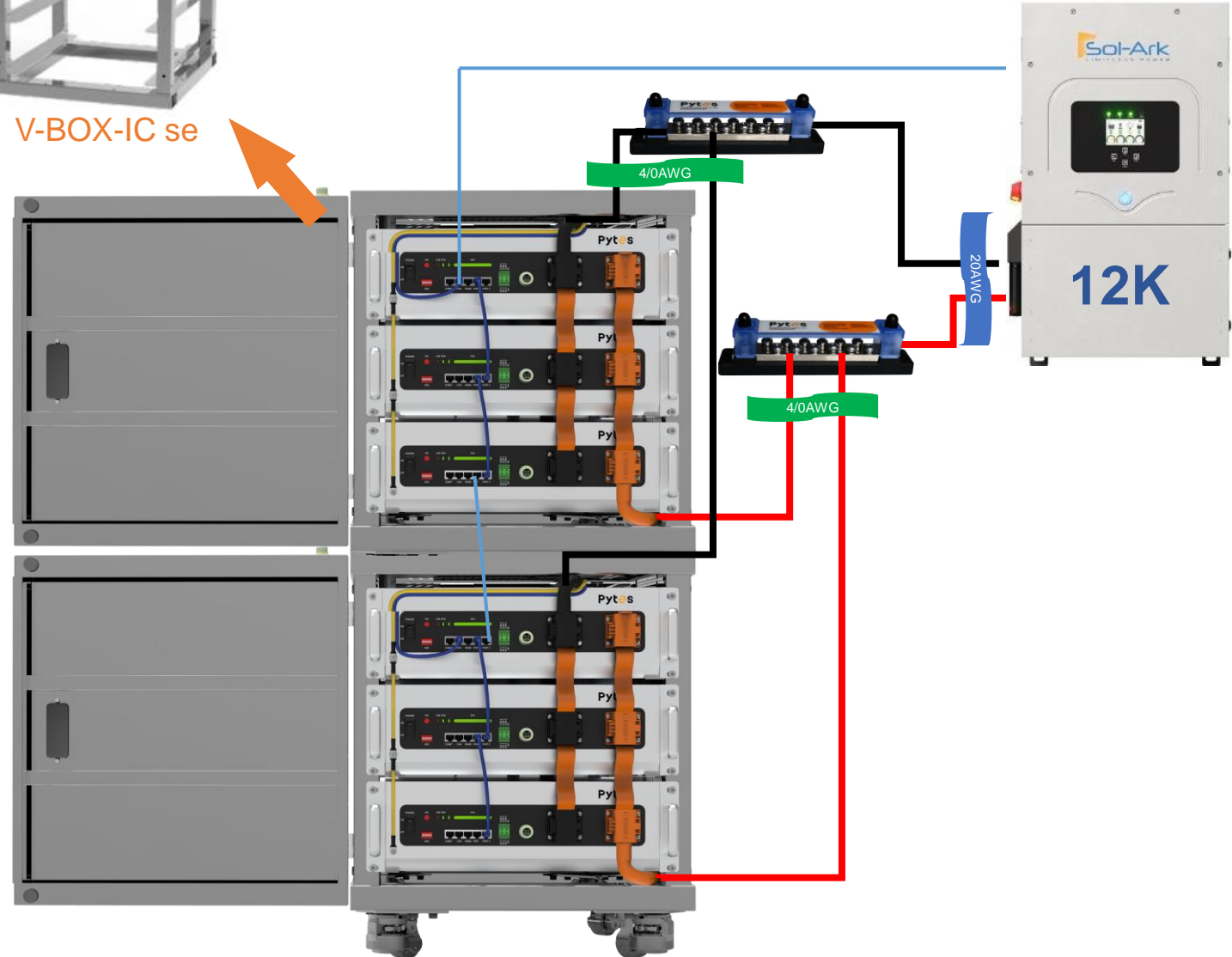


12kW + 30kWh

- ✓ Floor Mounted (movable)
- ✓ Indoor Rated



V-BOX-IC se



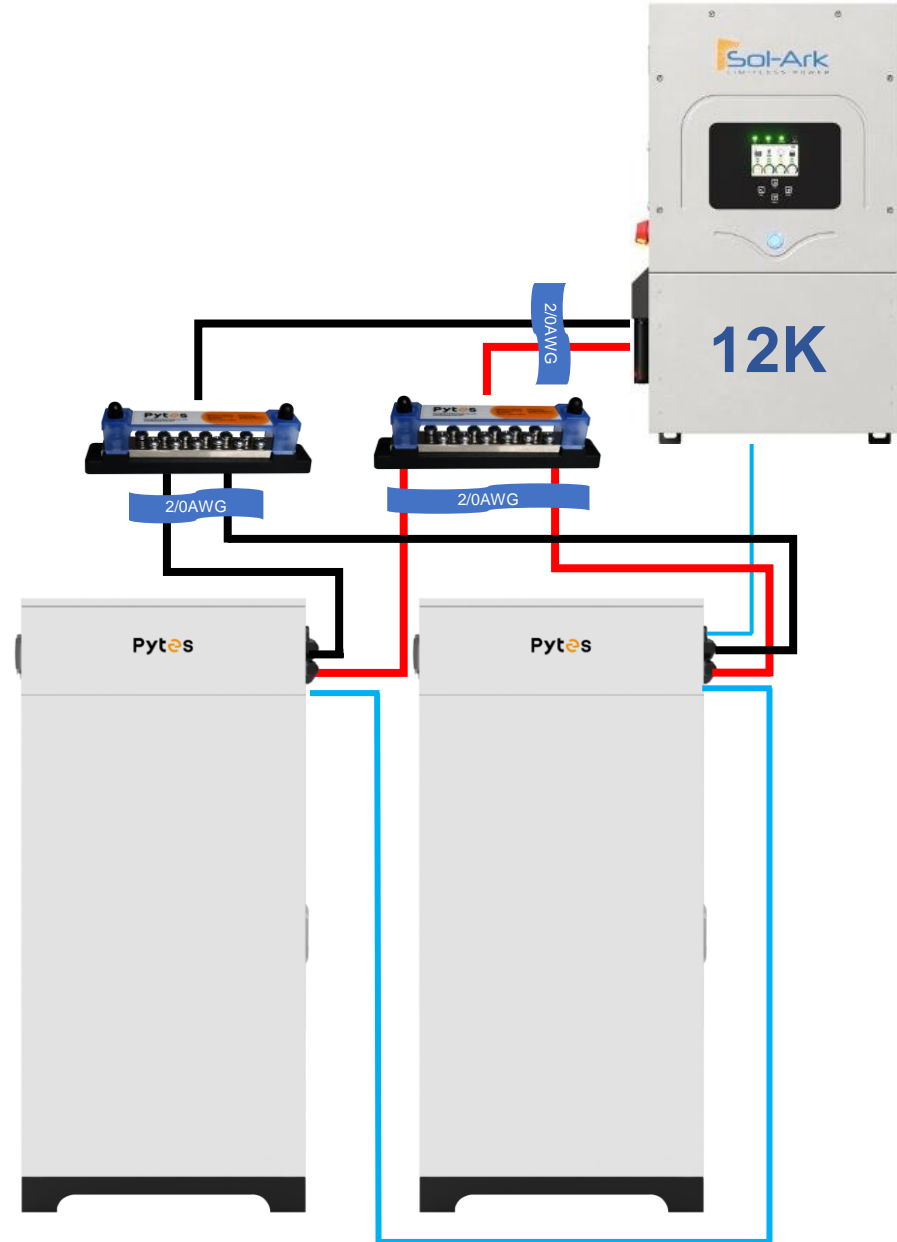
Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	6 pcs
110409100168	+/- 4/0 AWG 2000mm 90°Power cable	2 pairs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	1 pair
110409100026	300A Busbar	1 pair
110409100163 or 110409100165	V-BOX-IC or V-BOX-IC-se	2 pcs
161412100229	Standard Communication Cable	2 pc



12kW + 40kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
110409100154 110409100149	V-BOX-OC	2 sets
161412100229	Standard Communication Cable	2 pcs

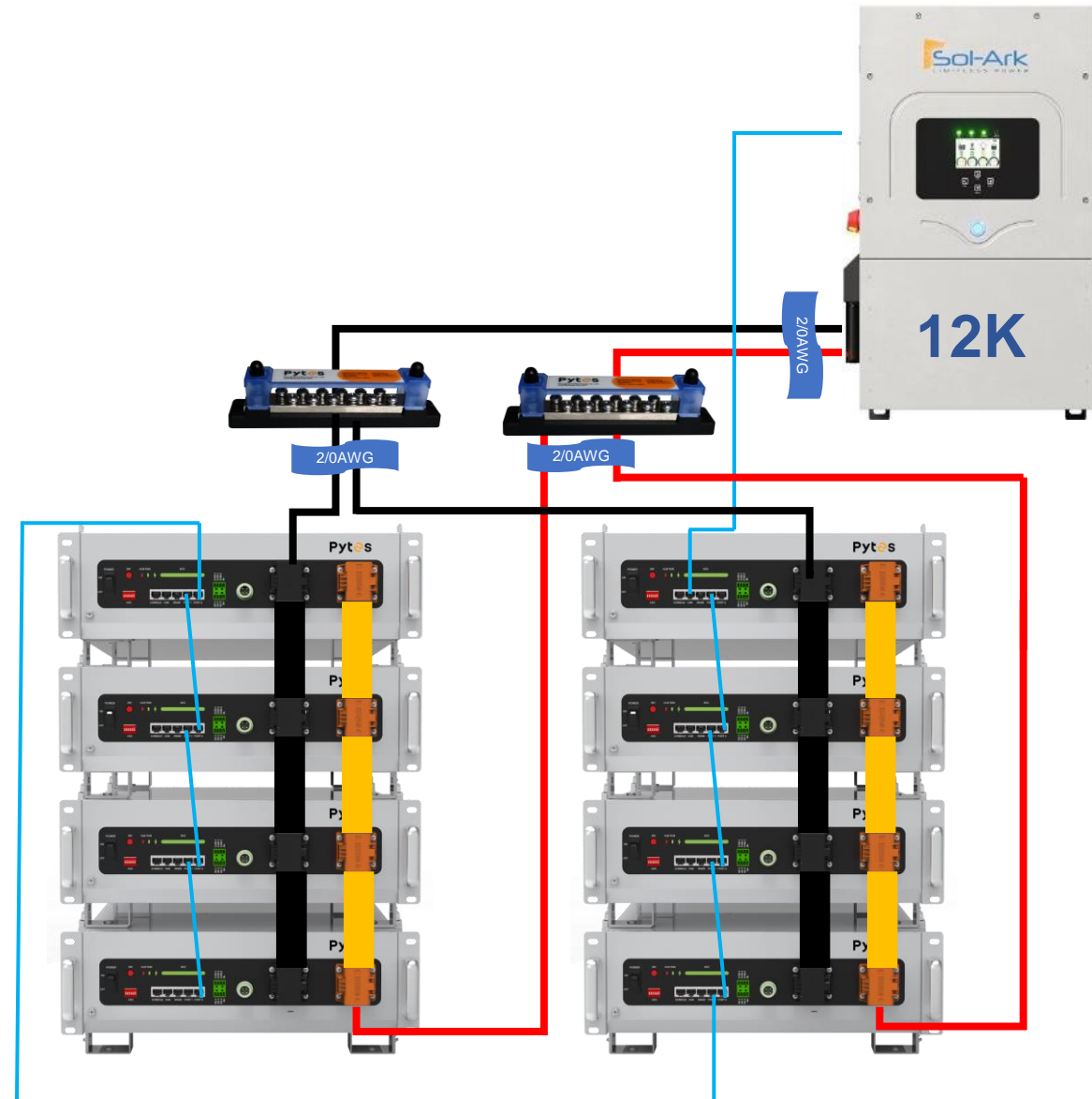




12kW + 40kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	8 sets
161412100229	Standard Communication Cable	2 pcs

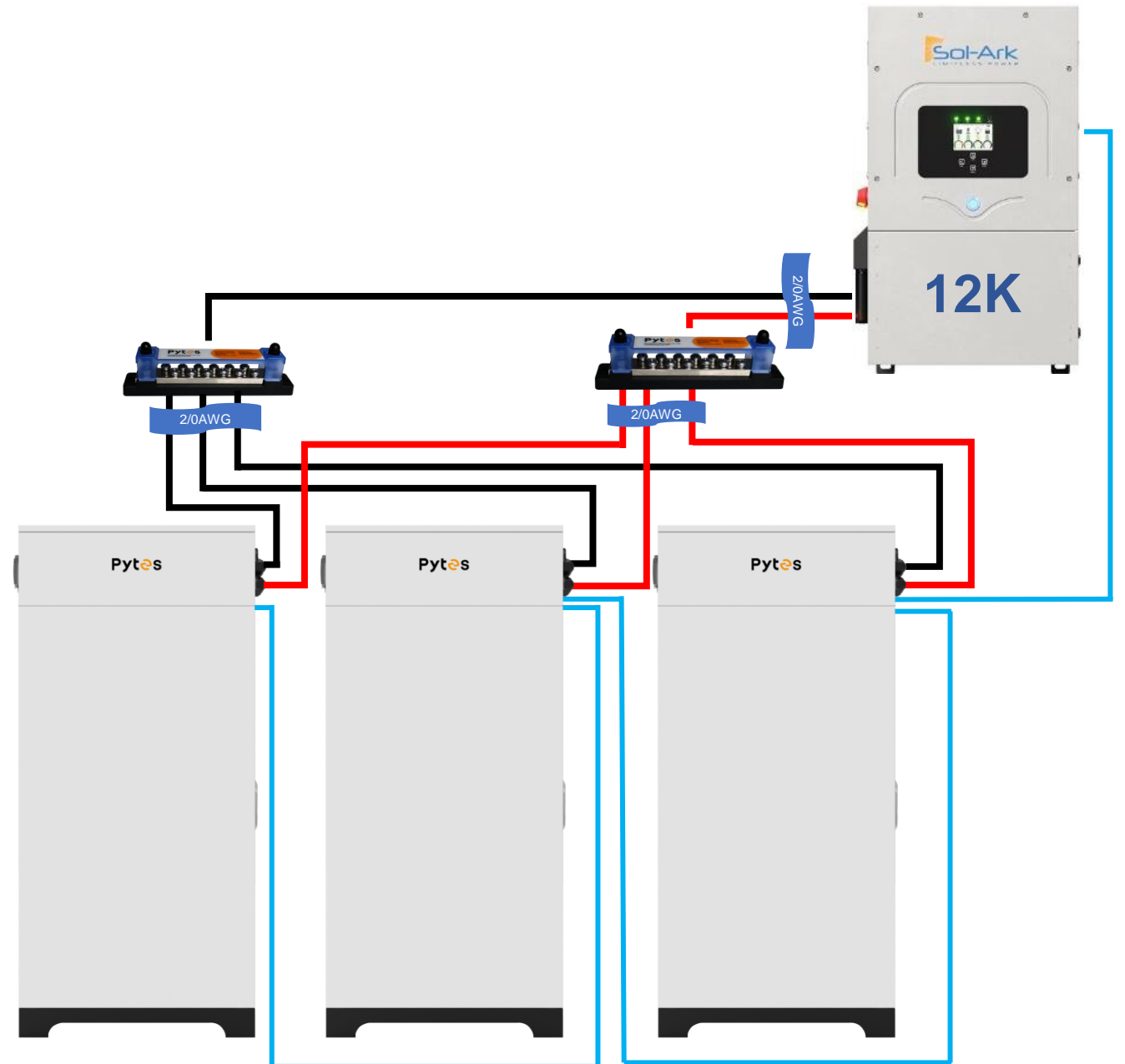




8kW + 60kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

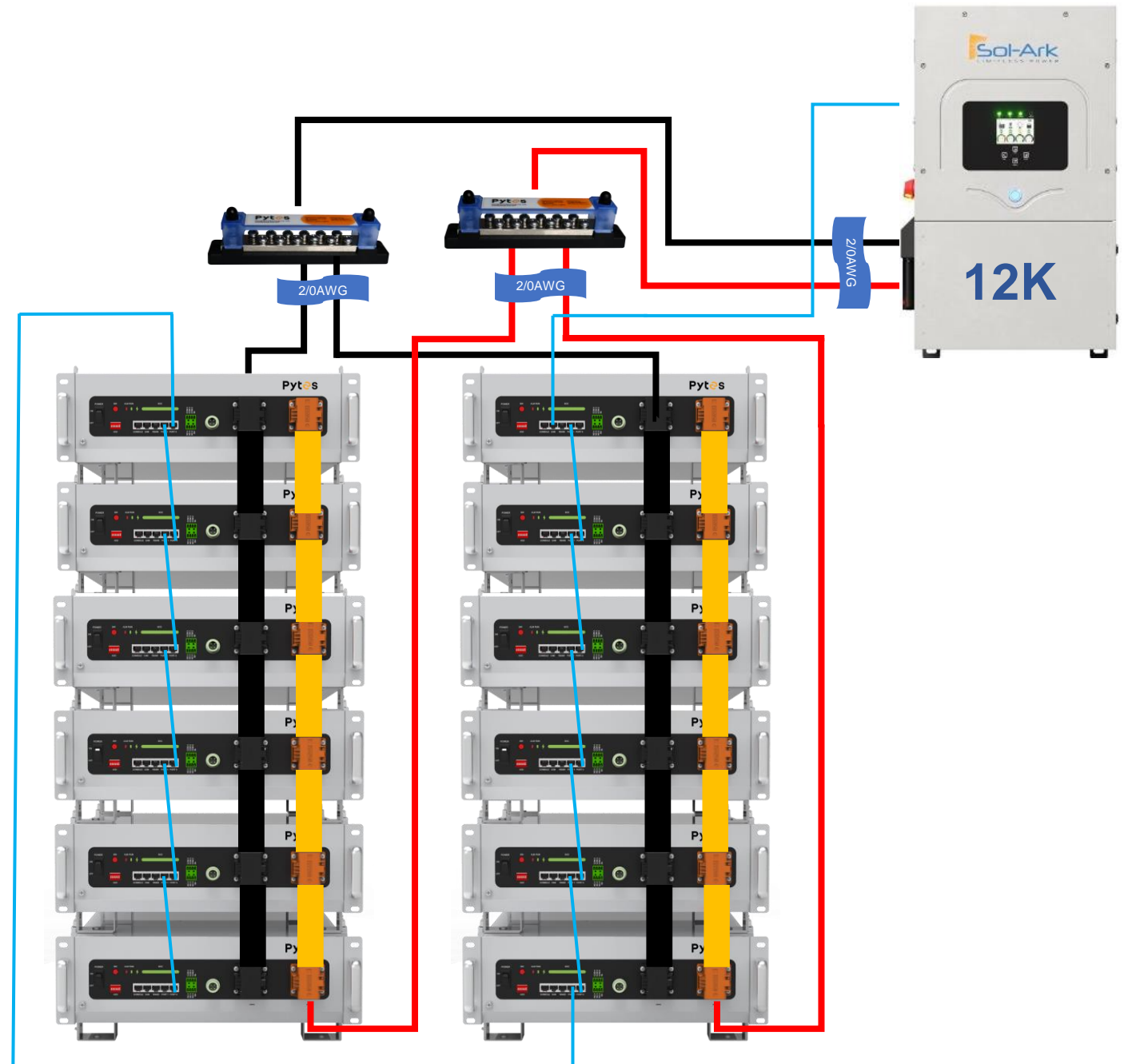
Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	12 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	4 pairs
110409100026	300A Busbar	1 pair
110409100154 110409100149	V-BOX-OC	3 sets
161412100229	Standard Communication Cable	3 pcs





12kW + 60kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

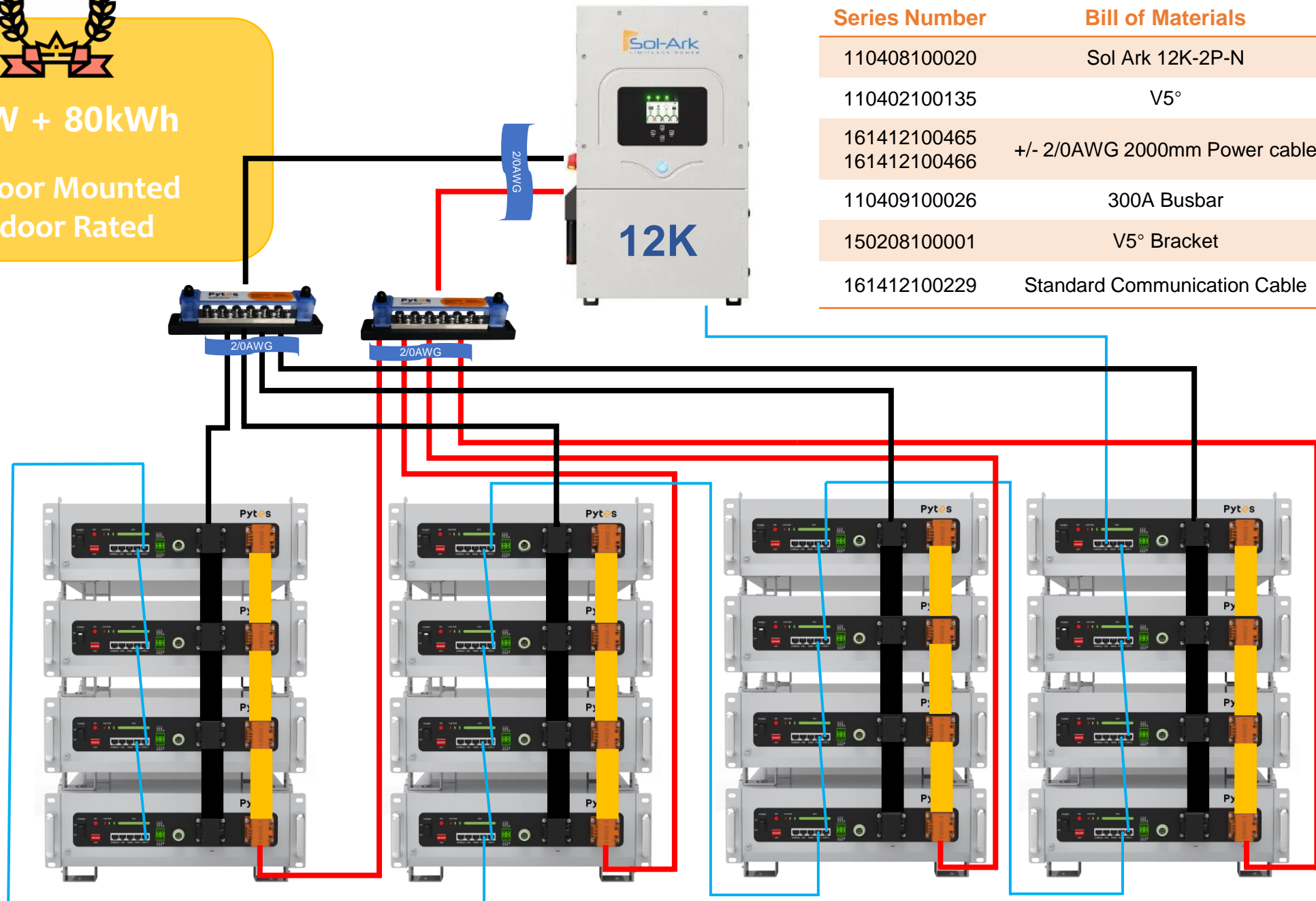


Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	12 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	3 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	12 sets
161412100229	Standard Communication Cable	2 pcs



12kW + 80kWh

- ✓ Floor Mounted
- ✓ Indoor Rated



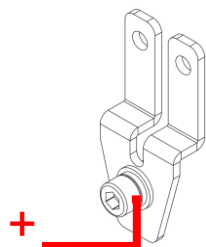
Series Number	Bill of Materials	Quantity
110408100020	Sol Ark 12K-2P-N	1 pc
110402100135	V5°	16 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	5 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	16 sets
161412100229	Standard Communication Cable	4 pcs



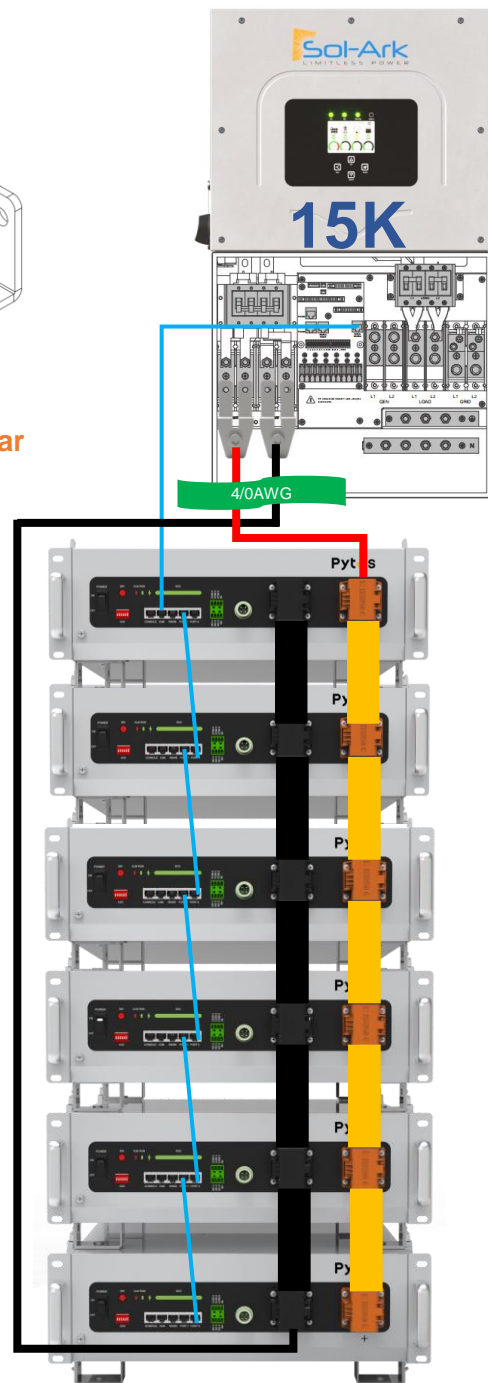
15kW + 30kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	6 pcs
150208100001	V5° Bracket	6 sets
161412100229	Standard Communication Cable	1 pc
110409100167	V busbar-Sol Ark 15K	1 pair
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair



V-Busbar





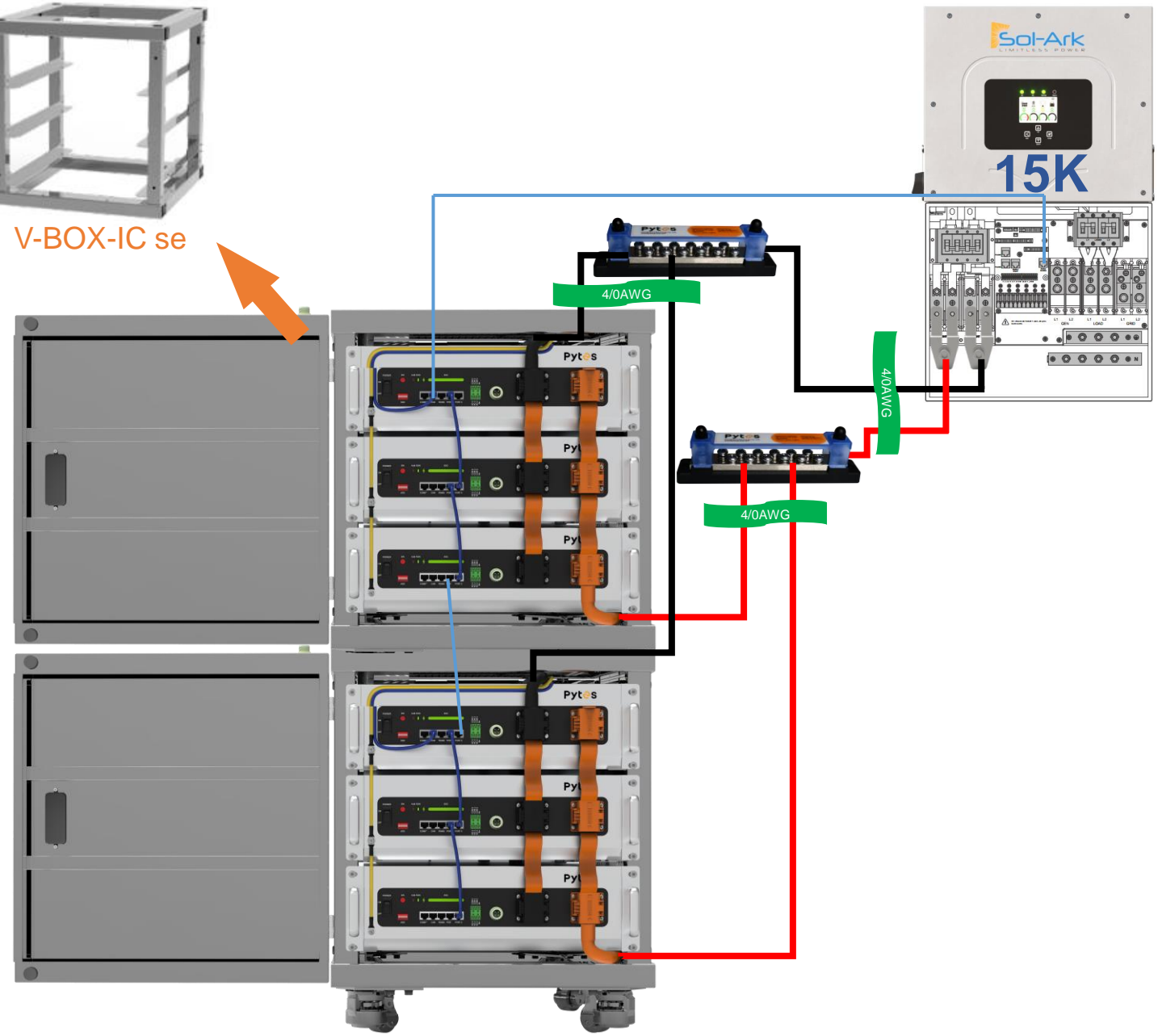
15kW + 30kWh

- ✓ Floor Mounted (movable)
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	6 pcs
110409100168	+/- 4/0 AWG 2000mm 90° Power cable	2 pairs
110409100163 or 110409100165	V-BOX-IC or V-BOX-OC se	2 pcs
161412100229	Standard Communication Cable	2 pcs
110409100167	V busbar-Sol Ark 15K	1 pair
110409100026	300A Busbar	1 pair
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair



V-BOX-IC se

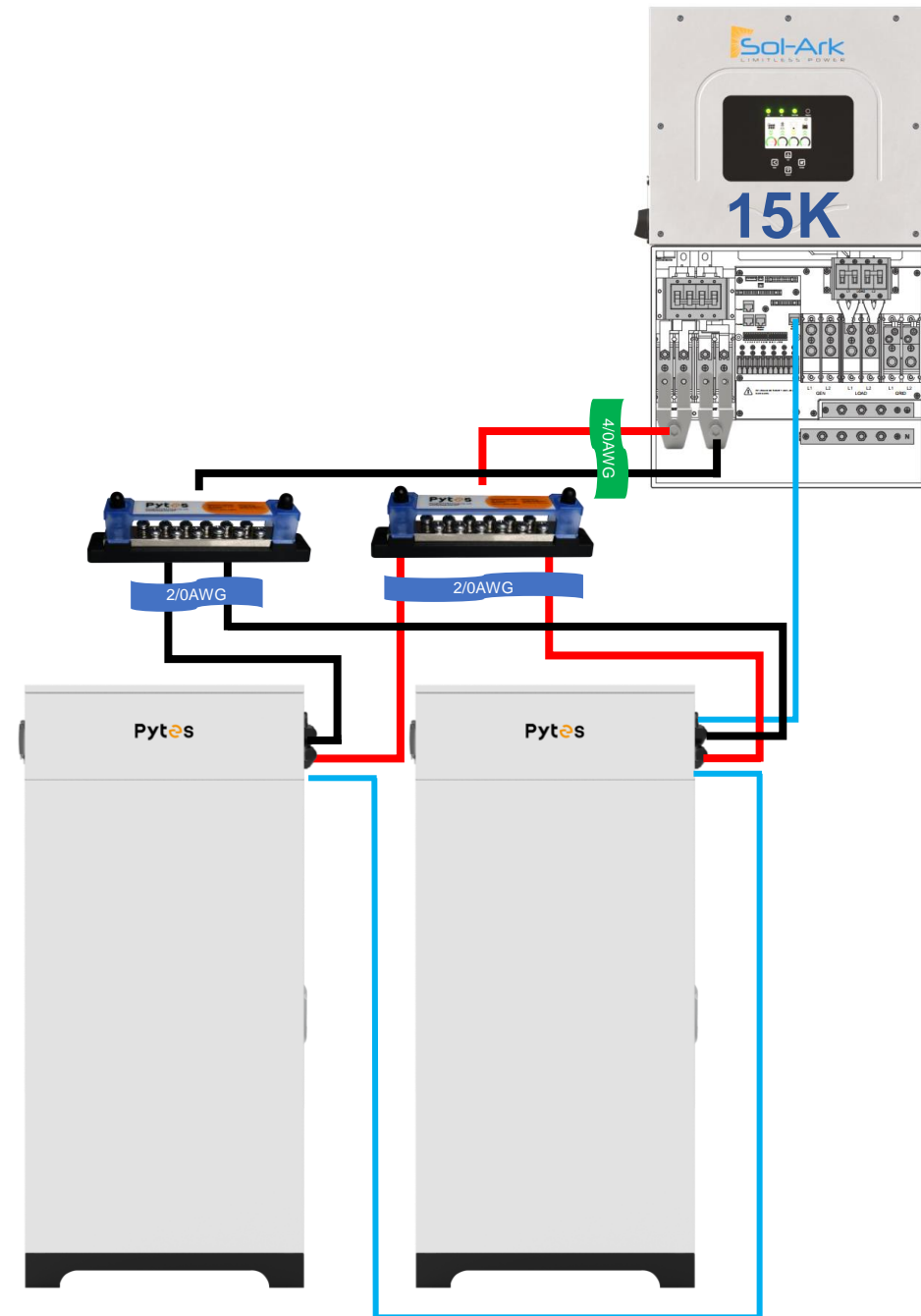




15kW + 40kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	2 pairs
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair
110409100154 110409100149	V-BOX-OC	2 sets
110409100167	V busbar-Sol Ark 15K	1 pair
110409100026	300A Busbar	1 pair
161412100229	Standard Communication Cable	2 pcs

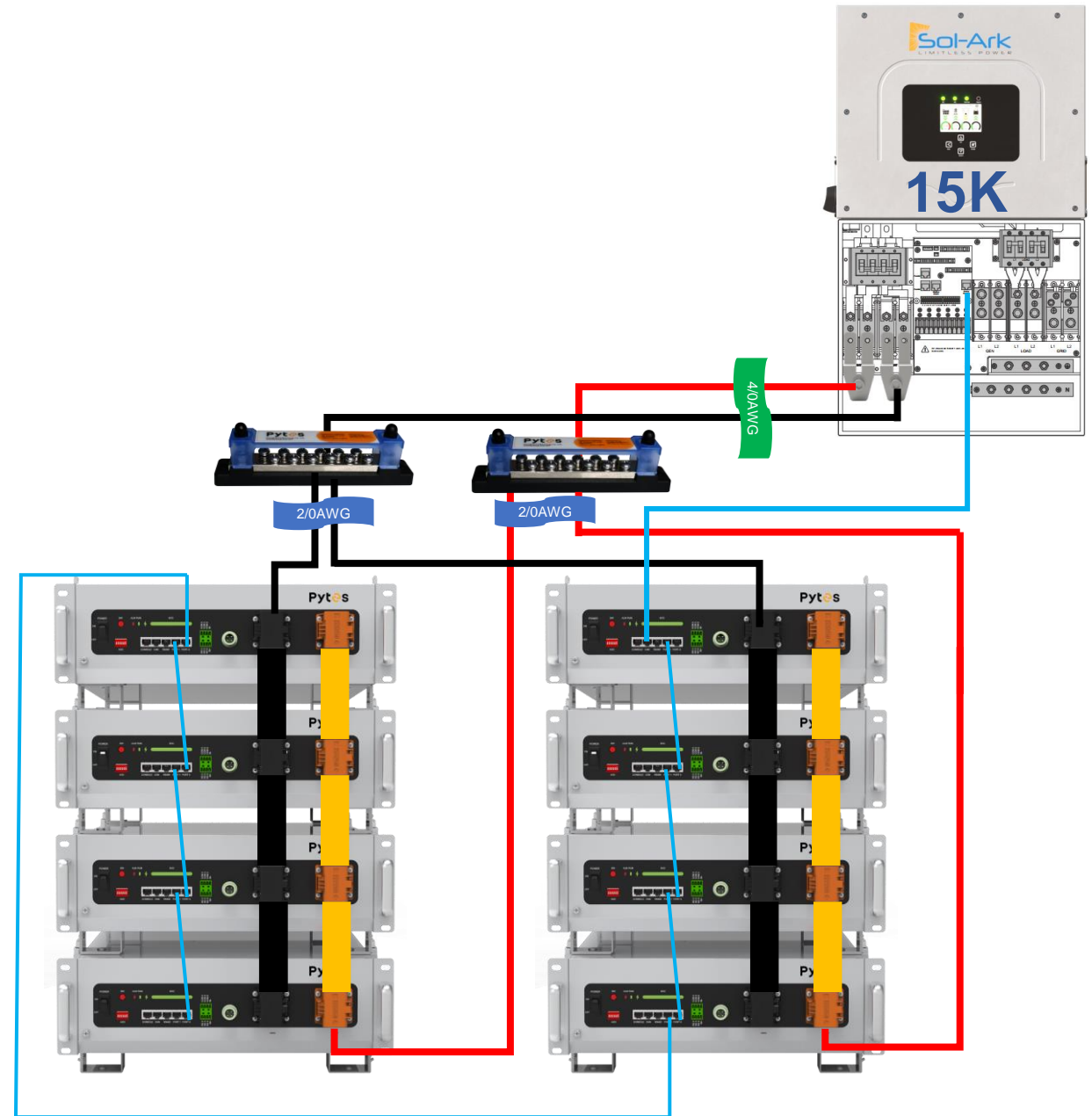




12kW + 40kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	8 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	2 pairs
150208100001	V5° Bracket	8 sets
161412100229	Standard Communication Cable	2 pcs
110409100167	V busbar-Sol Ark 15K	1 pair
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair
110409100026	300A Busbar	1 pair

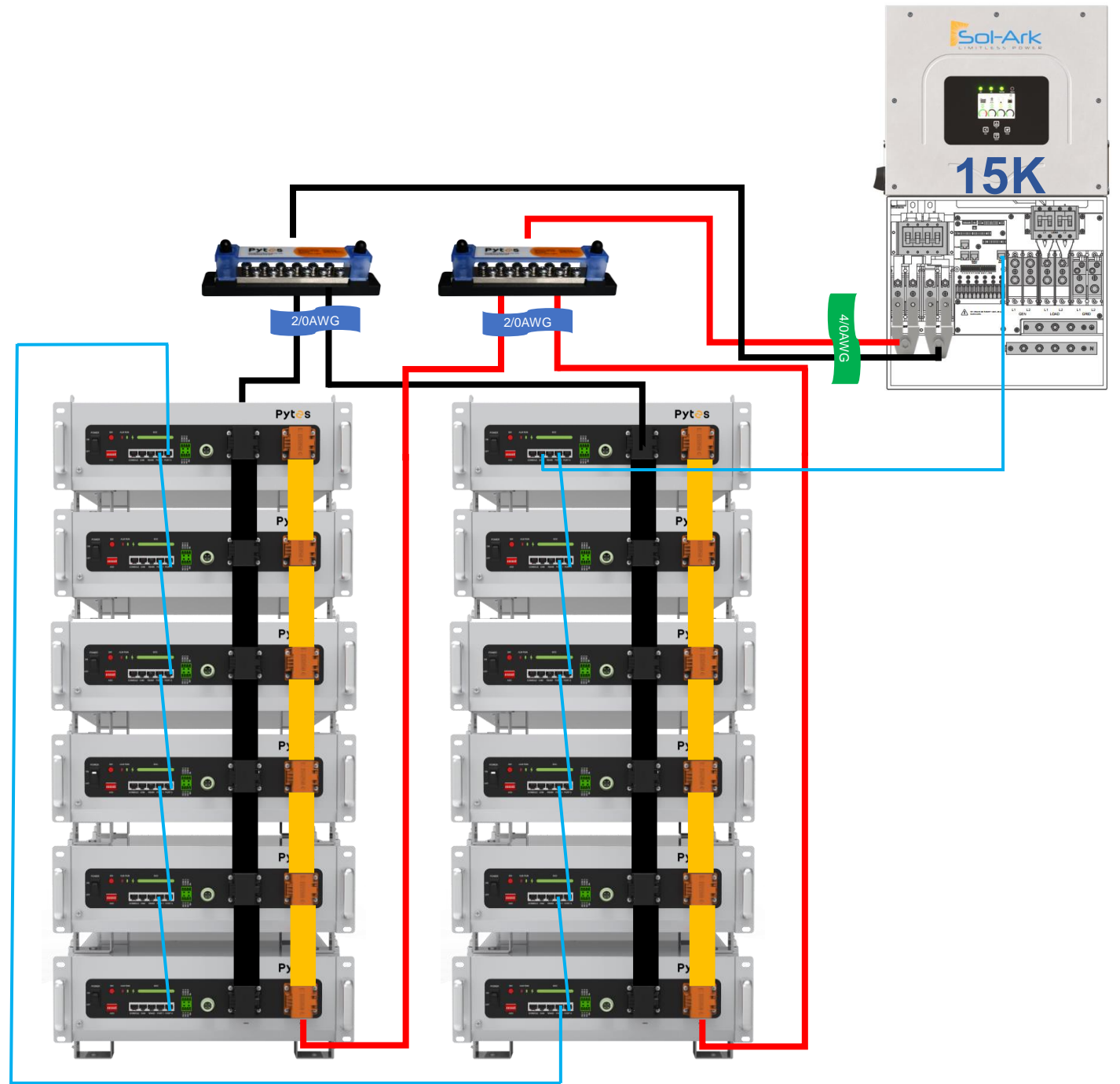




15kW + 60kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	12 pcs
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	2 pairs
150208100001	V5° Bracket	12 sets
161412100229	Standard Communication Cable	2 pcs
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair
110409100026	300A Busbar	1 pair

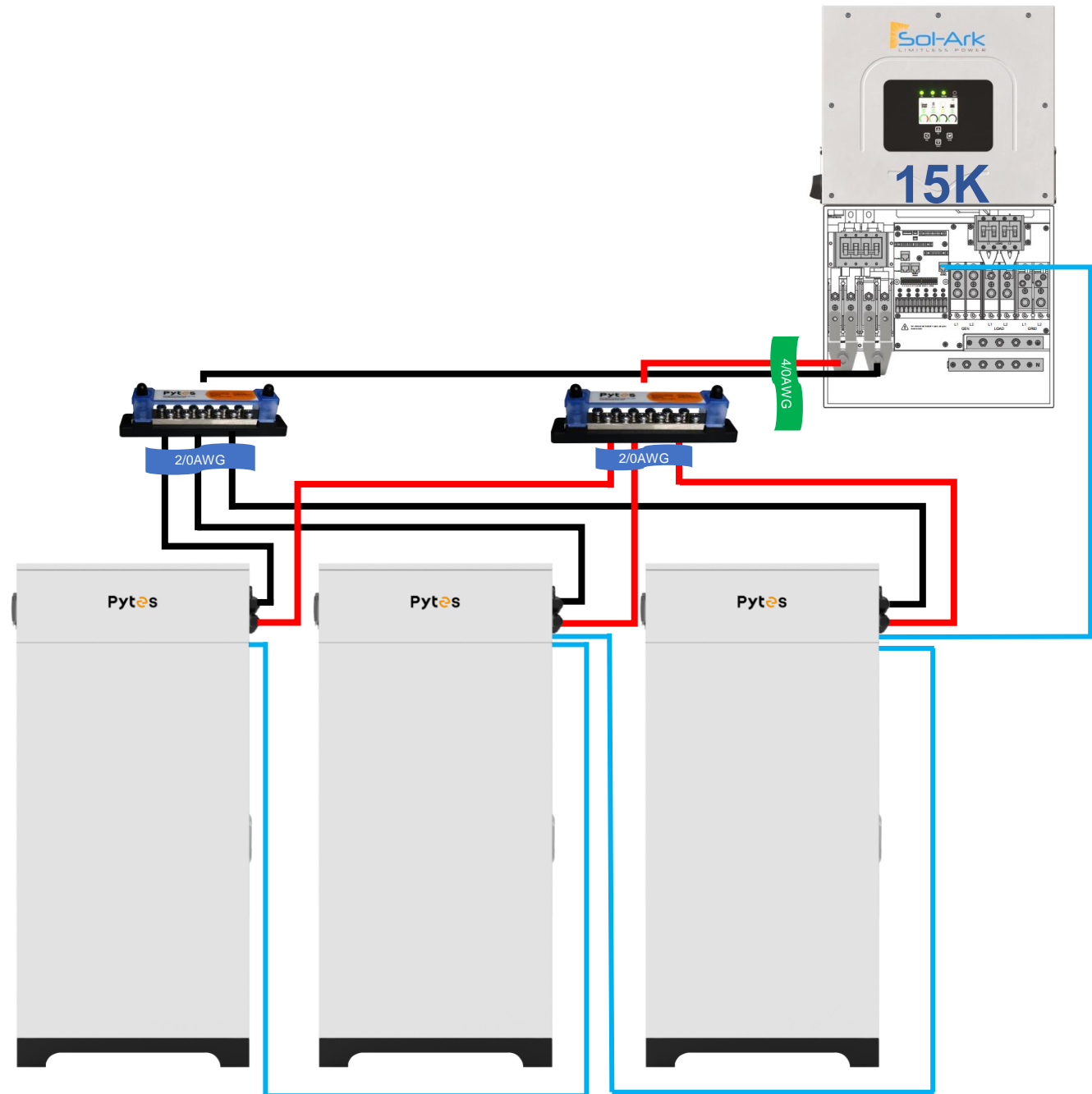




15kW + 60kWh

- ✓ UL 9540 Certified
- ✓ Floor Mounted
- ✓ Outdoor/Indoor Rated

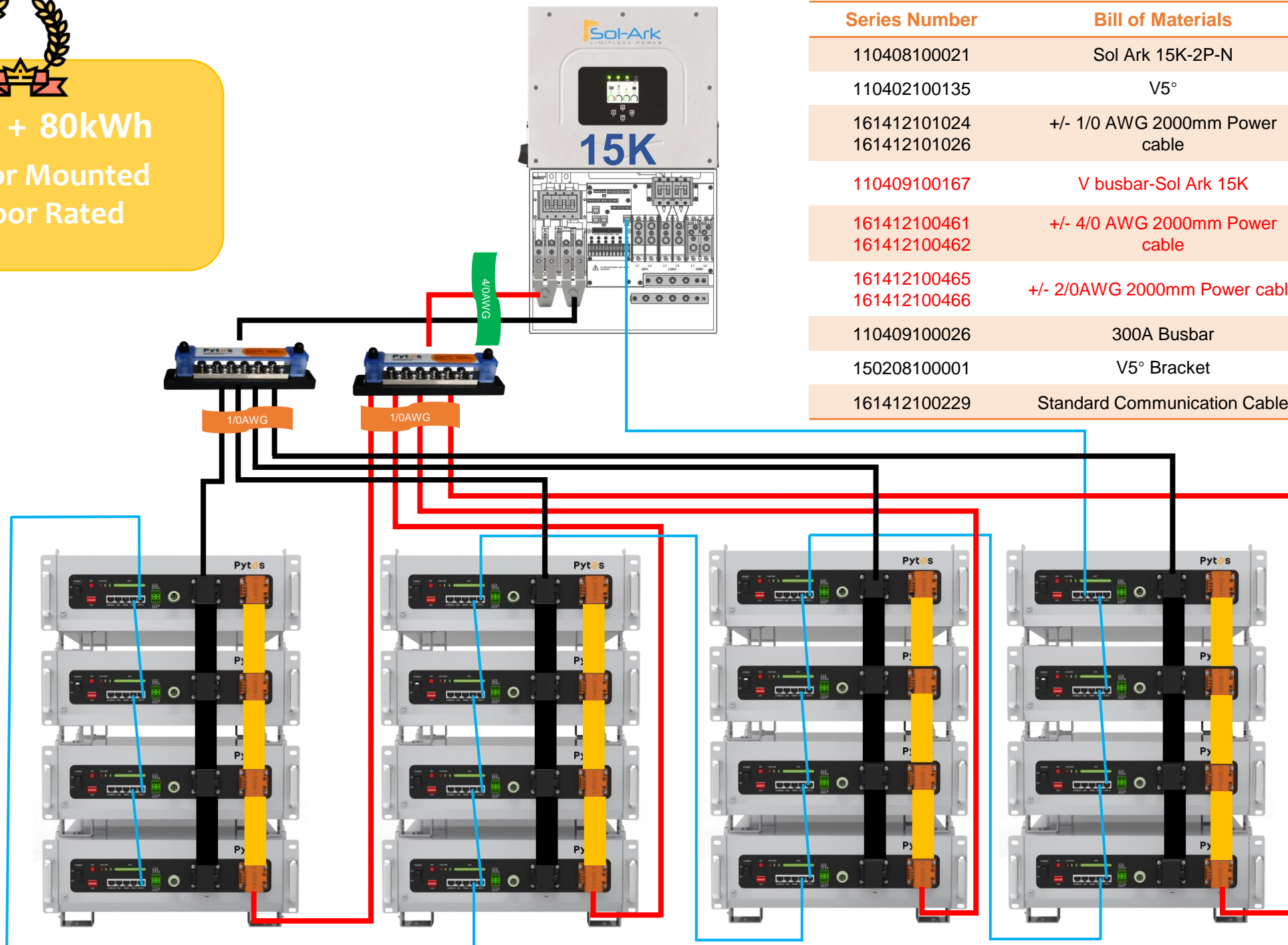
Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	12 pcs
110409100167	V busbar-Sol Ark 15K	1 pair
161412100461	+/- 4/0 AWG 2000mm Power cable	1 pair
161412100462		
161412100465	+/- 2/0AWG 2000mm Power cable	3 pairs
161412100466		
110409100026	300A Busbar	1 pair
110409100154	V-BOX-OC	3 sets
110409100149		
161412100229	Standard Communication Cable	3 pcs





15kW + 80kWh

- ✓ Floor Mounted
- ✓ Indoor Rated

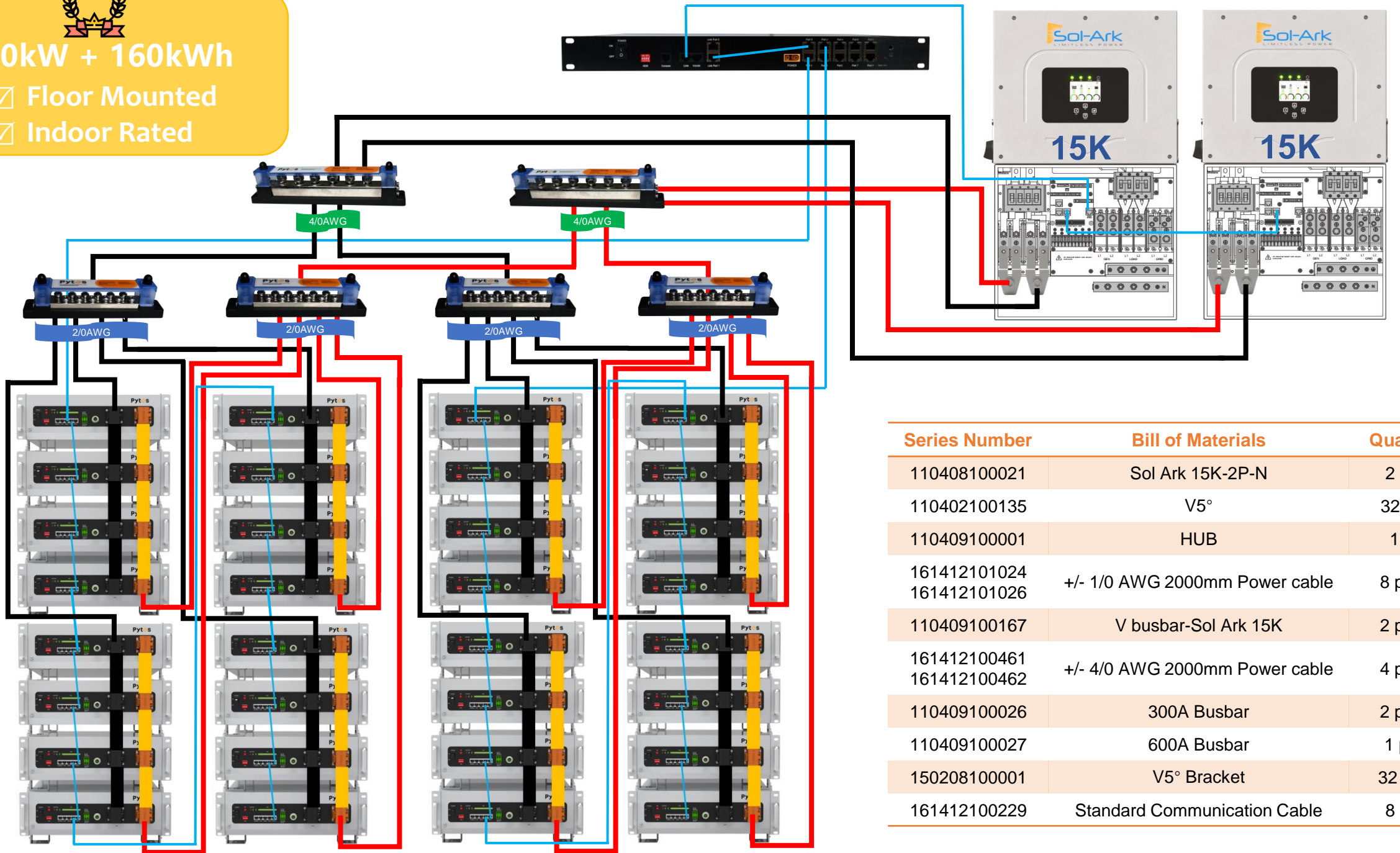


Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	1 pc
110402100135	V5°	16 pcs
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	4 pairs
110409100167	V busbar-Sol Ark 15K	1 pair
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	1 pair
161412100465 161412100466	+/- 2/0AWG 2000mm Power cable	2 pairs
110409100026	300A Busbar	1 pair
150208100001	V5° Bracket	16 sets
161412100229	Standard Communication Cable	4 pcs



30kW + 160kWh

- ✓ Floor Mounted
- ✓ Indoor Rated



Series Number	Bill of Materials	Quantity
110408100021	Sol Ark 15K-2P-N	2 pcs
110402100135	V5°	32 pcs
110409100001	HUB	1 pc
161412101024 161412101026	+/- 1/0 AWG 2000mm Power cable	8 pairs
110409100167	V busbar-Sol Ark 15K	2 pairs
161412100461 161412100462	+/- 4/0 AWG 2000mm Power cable	4 pairs
110409100026	300A Busbar	2 pairs
110409100027	600A Busbar	1 pair
150208100001	V5° Bracket	32 sets
161412100229	Standard Communication Cable	8 pcs