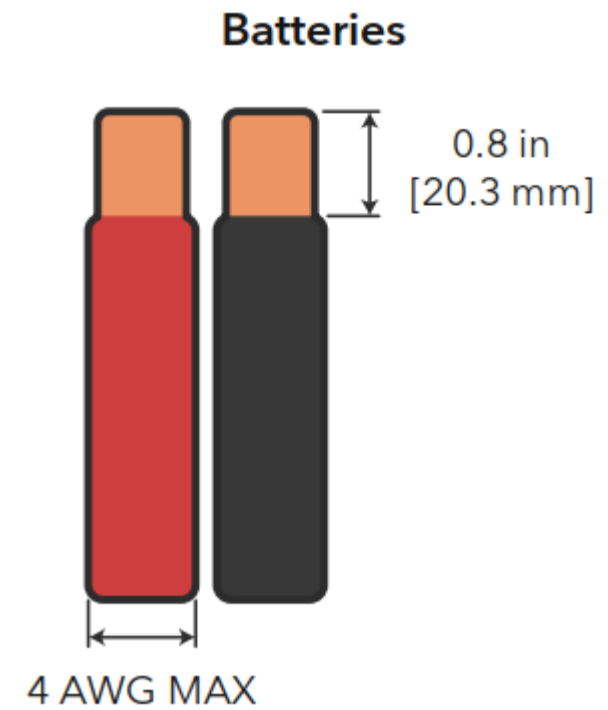
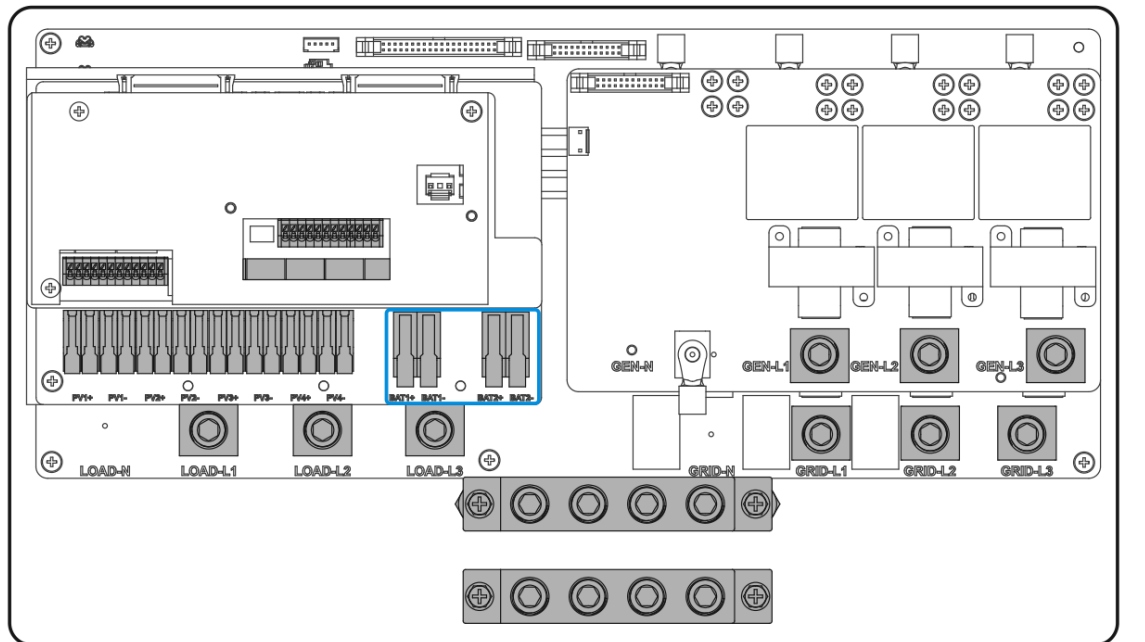


Sol-Ark & HV48100 Package Indoor Solution
















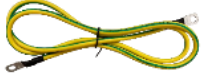
Sol-Ark recommended power cable



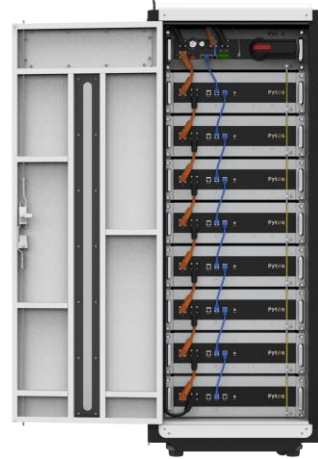
| Model | Max DC Current | Power cable |
|-------|----------------|-------------|
| 30K | 50A per Input | 6 – 4 AWG |
| 60K | 50A per Input | 6 – 4 AWG |

HV48100 Packing List

| Category | Item | Description | Set |
|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| BCU | 1 |  M6 Hex head screws | 4 |
| | 2 |  Battery power cable-Positive 4AWG, 132 mm (5.20 inch), Orange, Amphenol terminal*2 | 1 |
| | 3 |  Battery Power cable-Negative 4AWG, 1550 mm (61.02 inch), Black, Amphenol terminal*2 | 1 |
| | 4 |  Output Power Cable-Positive 6AWG, 4000 mm (157.48 inch), Orange | 1 |
| | 5 |  Output Power Cable-Negative 6AWG, 4000mm (157.48 inch), Black | 1 |
| | 6 |  Communication cable 3500 mm (137.80 inch), RJ45*2 | 1 |
| | 7 |  Antenna parts | 1 |
| | 8 |  1000 mm (39.37 inch) Ground cable | 1 |
| | 9 |  RJ45 terminal | 2 |
| | 10 |  Wi-Fi Antenna | 1 |

| Category | Item | Description | Set |
|----------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| BMU | 11 |  250 mm (9.84 inch) Battery cascading cable | 1 |
| | 12 |  M6 hex head screws | 4 |
| | 13 |  Battery serial power cable UL10269/4AWG/160 mm (6.30 inch), Amphenol Surlok Plus 5.7mm Terminals, Positive + Negative | 1 |
| | 14 |  150 mm (5.90 inch) Earthing Cable | 1 |

HV48100 Enclosures



| Product | HV48100 Cabinet 150215100160 | HV48100 12s cabinet 110403100125 |
|----------------------|-------------------------------------------------|----------------------------------------------------|
| Mounting | Floor | Floor |
| Enclosure Protection | IP20 | IP20 |
| Install Location | Indoor | Indoor |
| Max Battery Capacity | 8 (40kWh) | 12 (60kWh) |
| Dimensions(L*W*H) | 600 * 64 * 1555 mm / 23.6 * 25.2 * 61.2 inch | 600 * 64 * 1555 mm / 23.43 * 26.77 * 82.68 inch |
| Weight | 197.5 lbs / 89.6 kg | 304 lbs / 138 kg |



30kW + 80kWh

- UL 9540 Certified
- Floor Mounted
- Indoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|-------------------------|-------------------|-------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 1 pc |
| 2 | HV48100 Battery Cluster | | | 2 Clusters |
| 2.1 | 150215100160 | HV48100 Cabinet | 1 pc | 2 pcs |
| 2.2 | 151201100050 | HV48100 BCU | 1 pc | 2 pcs |
| 2.3 | 151201100052 | HV48100 BMU | 8 pcs | 16 pcs |

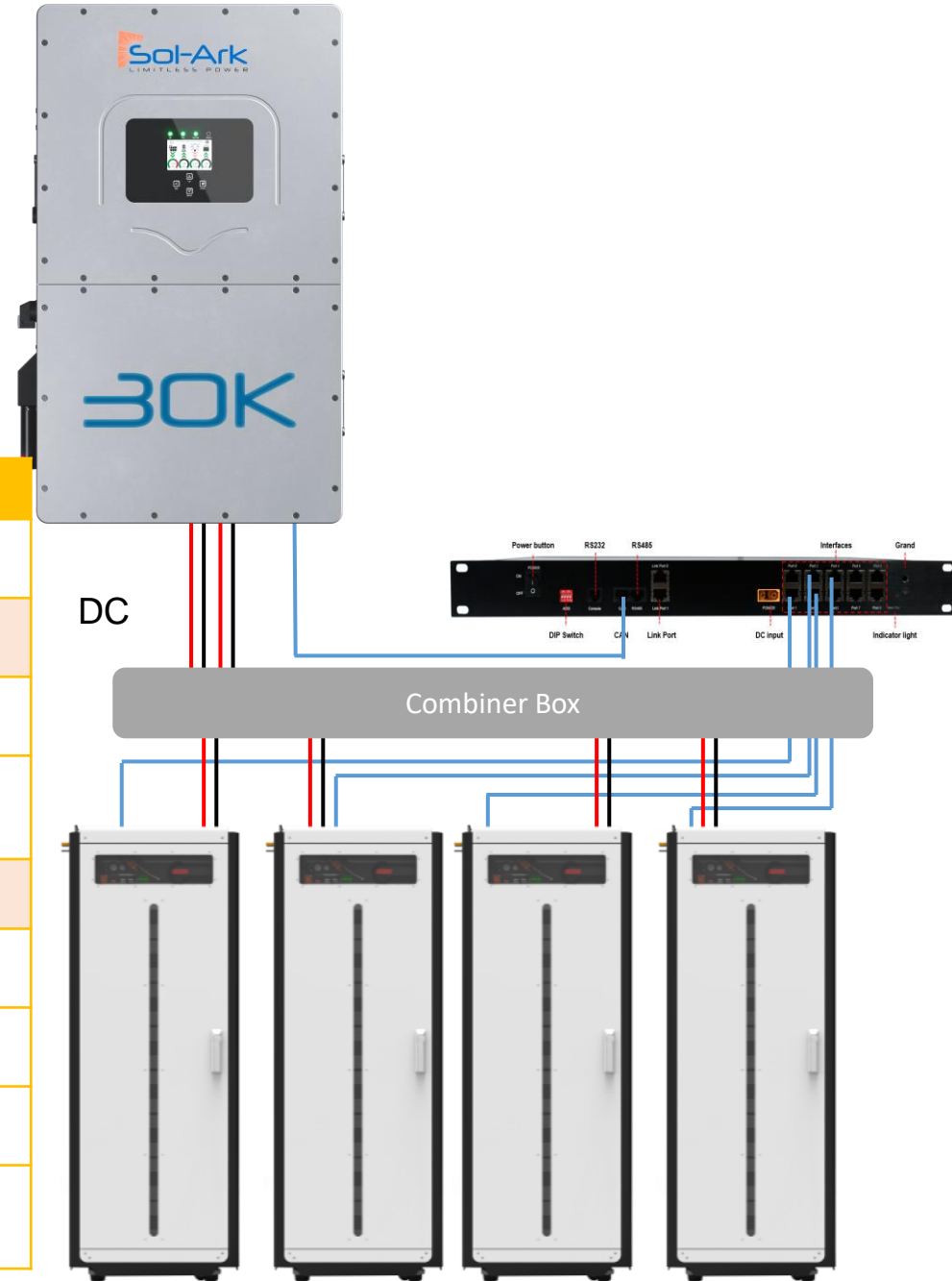




30kW + 160kWh

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

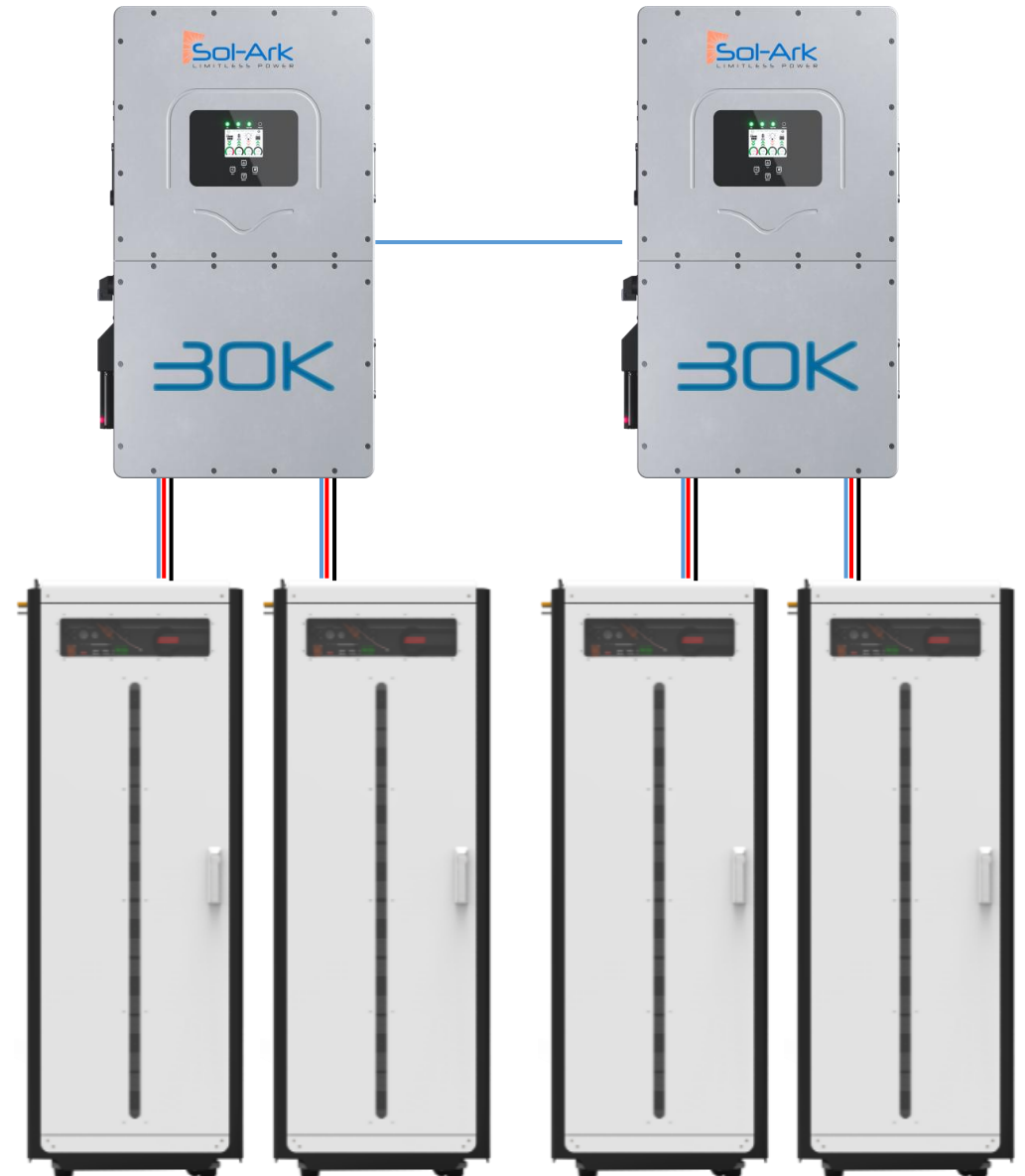
| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|------------------------------------------------|------------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 1 pc |
| 2. | 150215100225 | HV Combiner Box | | 1 pc |
| 3. | 150215100262 | HUB + 48V Power Supply | | 1 pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 2 sets |
| 5. | HV48100 Battery Cluster | | 4 Clusters | |
| 5.1 | 150215100160 | HV48100 Cabinet | 1 pc | 4 pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc | 4 pcs |
| 5.3 | 151201100052 | HV48100 BMU | 8 pcs | 32 pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors | 2 pcs | 8 pcs |





60kW + 160kWh

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



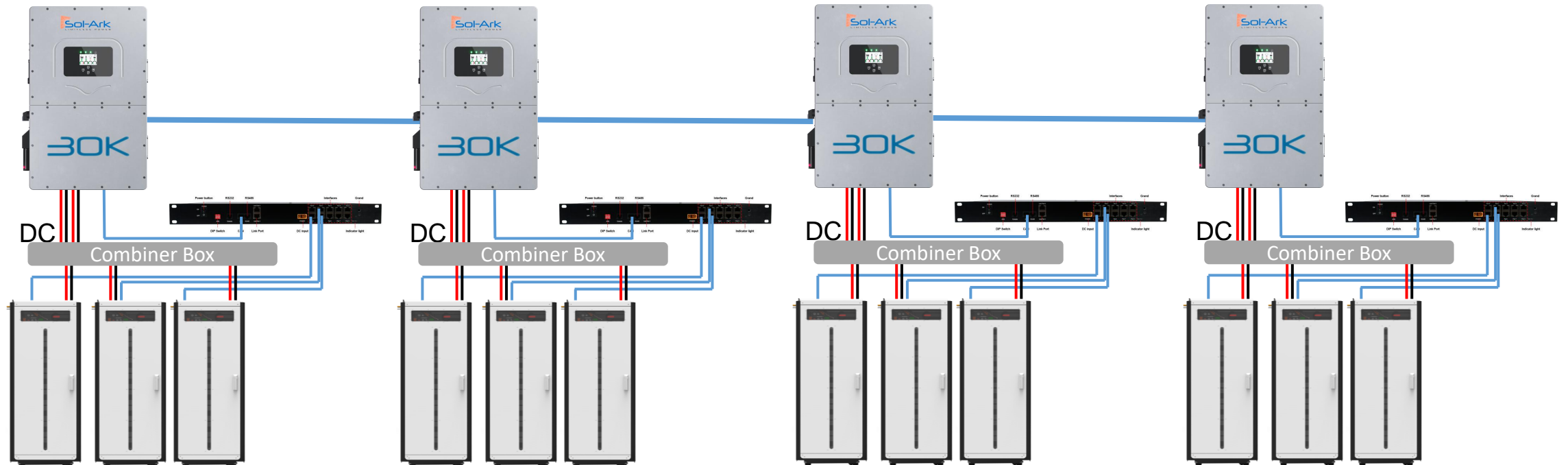
| Series Number | | Bill of Materials | | Sub-total |
|---------------|-------------------------|-------------------|-------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 2 pcs |
| 2 | HV48100 Battery Cluster | | | 4 Clusters |
| 2.1 | 150215100160 | HV48100 Cabinet | 1 pc | 4 pcs |
| 2.2 | 151201100050 | HV48100 BCU | 1 pc | 4 pcs |
| 2.3 | 151201100052 | HV48100 BMU | 8 pcs | 32 pcs |



120kW + 480kWh

- UL 9540 Certified
- Floor Mounted
- Indoor Rated

| Series Number | | Bill of Materials | Sub-total |
|---------------|------------------------------|------------------------------------------------|------------------------|
| 1 | 162002100029 | SA-30K Inverter | 4 pcs |
| 2. | 150215100225 | HV Combiner Box | 4 pcs |
| 3. | 150215100262 | HUB + 48V Power Supply | 4 pcs |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | 8 sets |
| 5 | HV48100 Battery Cluster | | 12 Clusters |
| 5.1 | 150215100160 | HV48100 Cabinet | 1 pc 12 pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc 12 pcs |
| 5.3 | 151201100052 | HV48100 BMU | 8 pcs 96 pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors | 2 pcs 24 pcs |



Up to 300kW/2.4MWh

Please contact Pytes for custom configurations.

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|----------------------------------------------------------------|--------------|------------------------------|
| 1 | 162002100029 | SA-30K Inverter | | n¹ pcs |
| 2. | 150215100225 | HV Combiner Box ² | | n pc |
| 3. | 150215100262 | HUB + 48V Power Supply ² | | n pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter ² | | n*2 sets |
| 5 | HV48100 Battery Cluster | | | (1~6)*n Clusters |
| 5.1 | 150215100160 | HV48100 Cabinet | 1 pc | (1-6)*n pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc | (1-6)*n pcs |
| 5.3 | 151201100052 | HV48100 BMU | (5~8) pcs | (1-6)*n*(5~8) pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors ³ | 2 pcs | (1~6)*n*2 pcs |

- n=1~10**
- Only needed if each inverter has more than 2 battery clusters**
- Only needed if using hub to parallel the battery clusters**



Each SA-30K inverter can accept **1~6** battery clusters.
Each battery cluster can contain **5~8** modules (BMUs).

Up to 10 SA 30K Inverters can be connected in parallel

For multi-inverter systems:

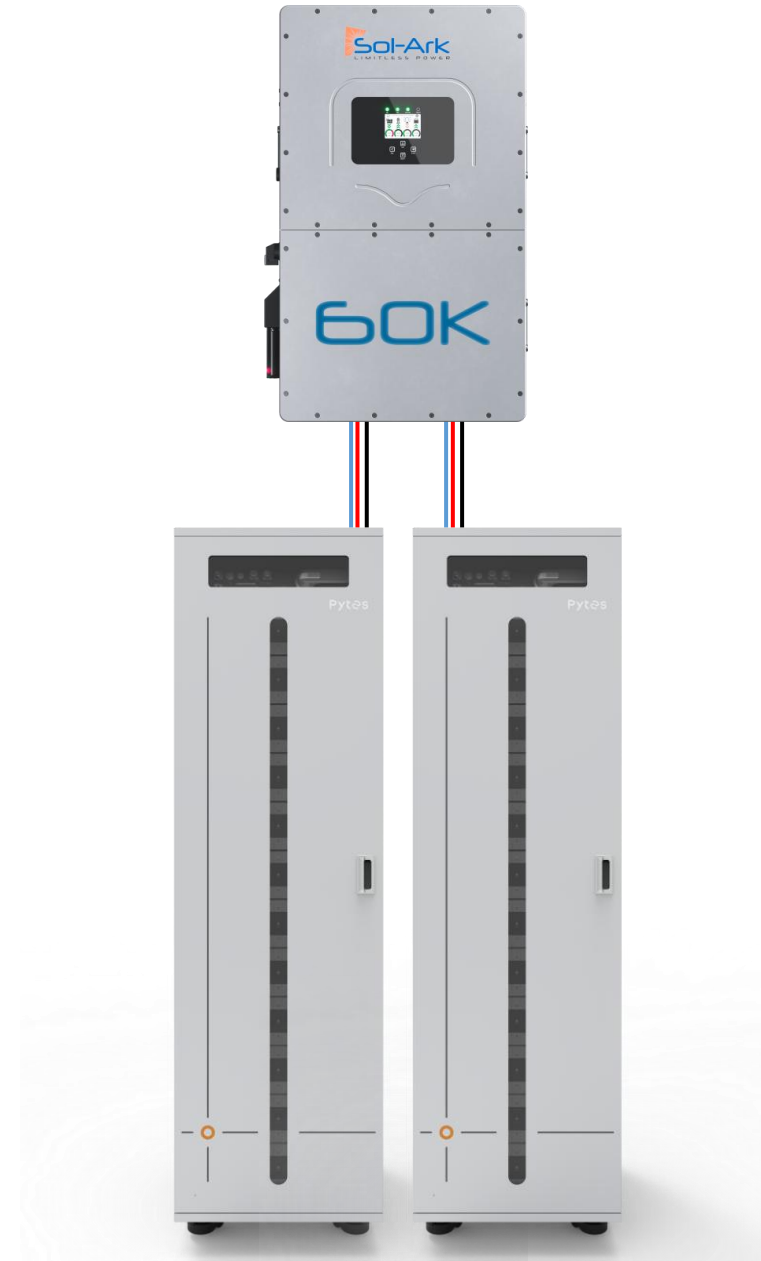
- Each inverter must have same quantity of battery clusters
- Each battery cluster must have same quantity of modules



60kW + 120kWh

- UL 9540 Certified
- Floor Mounted
- Indoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|-------------------------|---------------------|--------|---------------|
| 1 | 162002100119 | SA-60K Inverter | | 1 pc |
| 2 | HV48100 Battery Cluster | | | 2 Clusters |
| 2.1 | 110403100125 | HV48100 12s Cabinet | 1 pc | 2 pcs |
| 2.2 | 151201100050 | HV48100 BCU | 1 pc | 2 pcs |
| 2.3 | 151201100052 | HV48100 BMU | 12 pcs | 24 pcs |

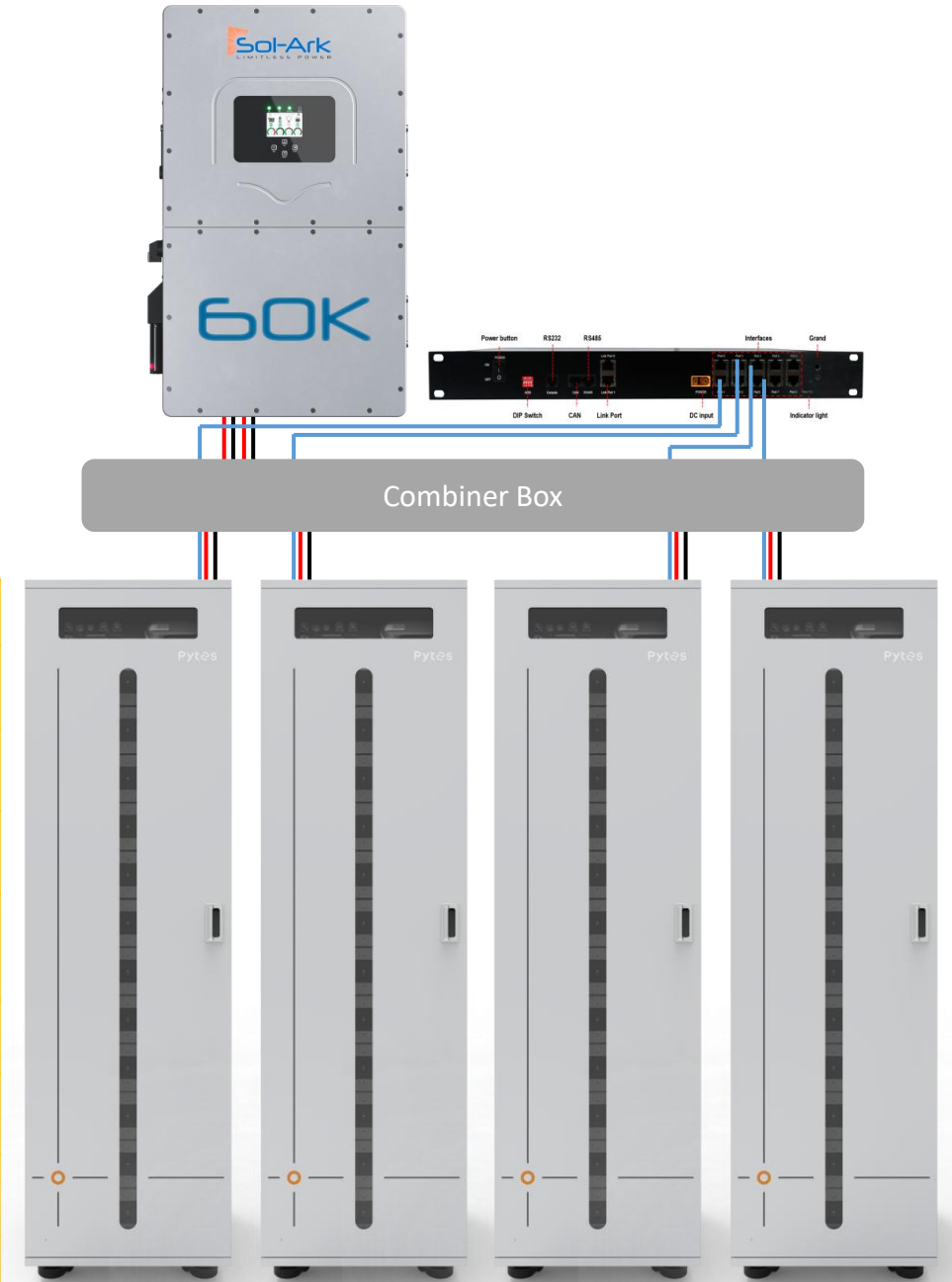




60kW + 240kWh

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

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|------------------------------------------------|------------|---------------|
| 1 | 162002100119 | SA-60K Inverter | | 1 pc |
| 2. | 150215100225 | HV Combiner Box | | 1 pc |
| 3. | 150215100262 | HUB + 48V Power Supply | | 1 pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 2 sets |
| 5 | HV48100 Battery Cluster | | 4 Clusters | |
| 5.1 | 110403100125 | HV48100 12s Cabinet | 1 pc | 4 pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc | 4 pcs |
| 5.3 | 151201100052 | HV48100 BMU | 12 pcs | 48pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors | 2 pcs | 8 pcs |

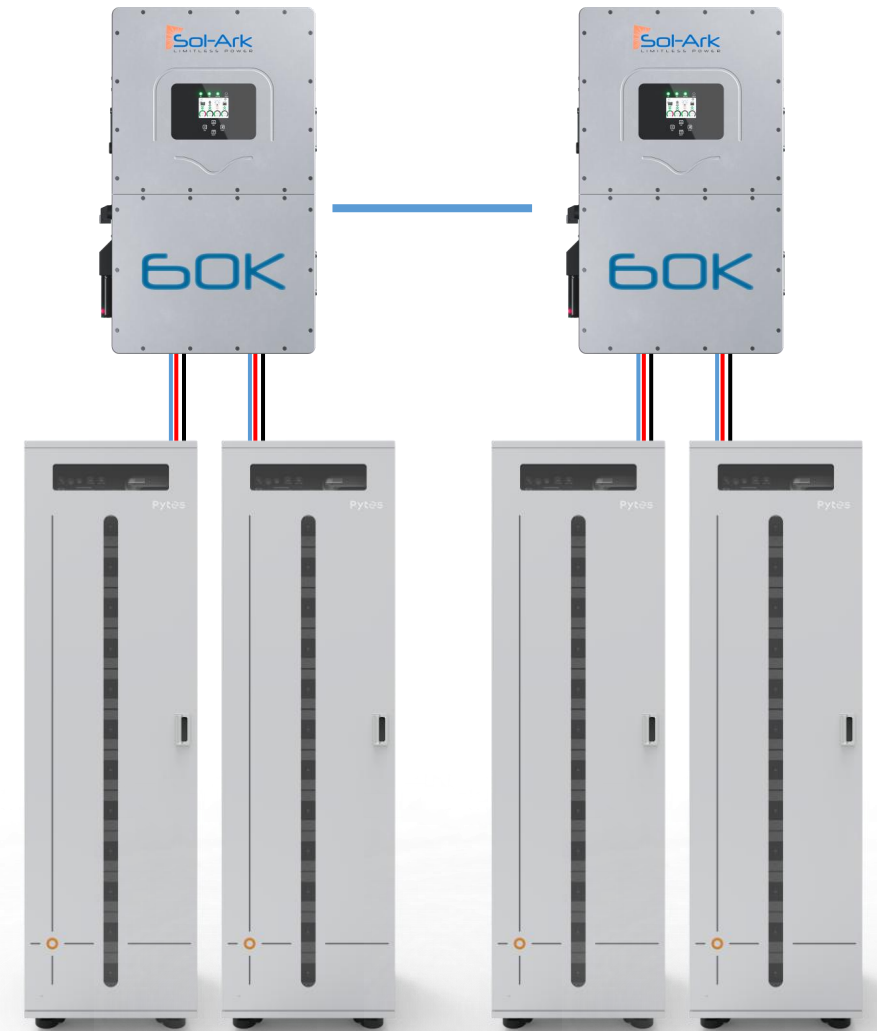




120kW + 240kWh

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

| Series Number | | Bill of Materials | | Sub-total |
|---------------|-------------------------|---------------------|--------|--------------|
| 1 | 162002100119 | SA-60K Inverter | | 2 pcs |
| 2 | HV48100 Battery Cluster | | | 4 Clusters |
| 2.1 | 110403100125 | HV48100 12s Cabinet | 1 pc | 4 pcs |
| 2.2 | 151201100050 | HV48100 BCU | 1 pc | 4 pcs |
| 2.3 | 151201100052 | HV48100 BMU | 12 pcs | 48pcs |

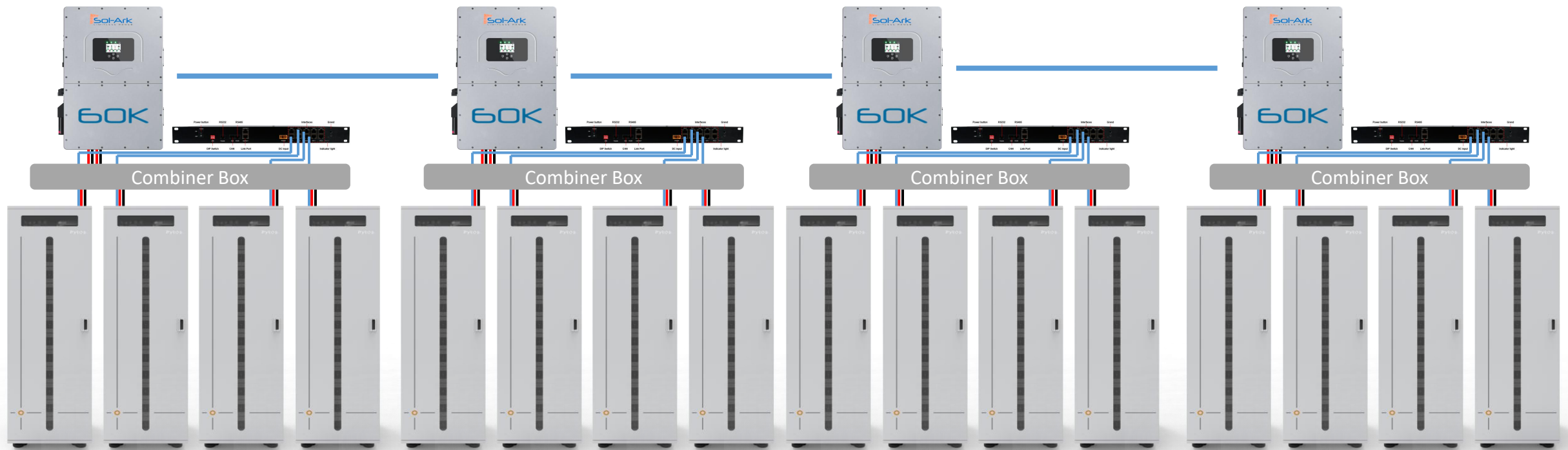




240kW + 960kWh

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

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|------------------------------------------------|-------|----------------|
| 1 | 162002100119 | SA-60K Inverter | | 4 pcs |
| 2. | 150215100225 | HV Combiner Box | | 4 pcs |
| 3. | 150215100262 | HUB + 48V Power Supply | | 4 pcs |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 8 sets |
| 5 | HV48100 Battery Cluster | | | 16 Clusters |
| 5.1 | 150215100160 | HV48100 Cabinet | 1 pc | 16 pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc | 16 pcs |
| 5.3 | 151201100052 | HV48100 BMU | 8 pcs | 192 pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors | 2 pcs | 32 pcs |



Up to 600kW/3.6MWh

Please contact Pytes for custom configurations.

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|----------------------------------------------------------------|--------|-------------------------------|
| 1 | 162002100119 | SA-60K Inverter | | n¹ pcs |
| 2. | 150215100225 | HV Combiner Box ² | | n pc |
| 3. | 150215100262 | HUB + 48V Power Supply ² | | n pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter ² | | n*2 sets |
| 5 | HV48100 Battery Cluster | | | (1-6)*n Clusters |
| 5.1 | 150215100160 | HV48100 Cabinet | 1 pc | (1-6)*n pcs |
| 5.2 | 151201100050 | HV48100 BCU | 1 pc | (1-6)*n pcs |
| 5.3 | 151201100052 | HV48100 BMU | 12 pcs | (1-6)*n*(5~12) pcs |
| 5.4 | 161412101352 | HV48100 BCU Dry Contact Connectors ³ | 2 pcs | (1~6)*n*2 pcs |

1. n=1~10

2. Only needed if each inverter has more than 2 battery clusters

3. Only needed if using hub to parallel the battery clusters



Each SA 60K can accept **1~6** battery clusters.

Each battery cluster can contain **5~12** modules (BMUs).

Up to 10 SA 60K Inverters can be connected in parallel

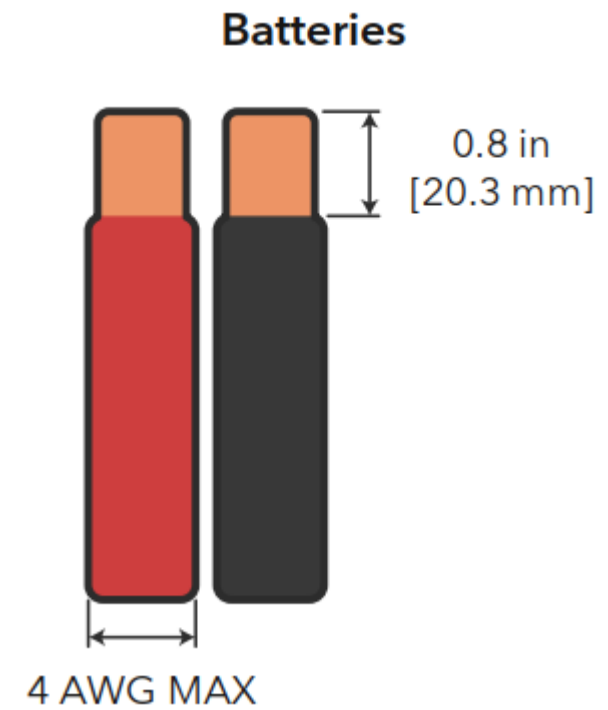
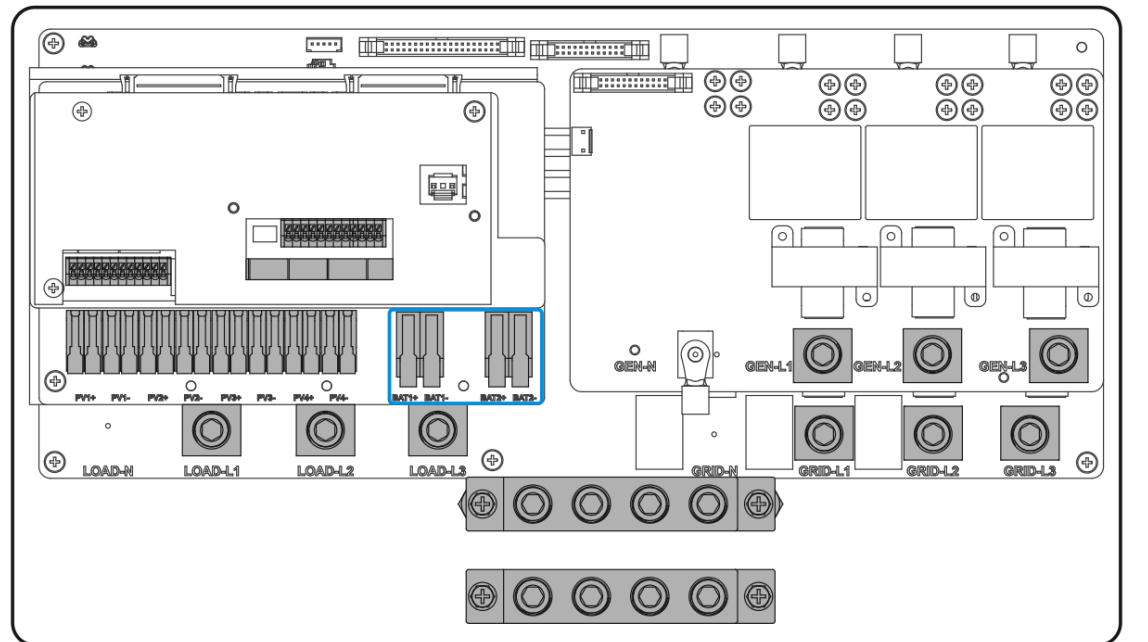
For multi-inverter systems:

- Each inverter must have same quantity of battery clusters
- Each battery cluster must have same quantity of modules

Sol-Ark & HV48100 Package Outdoor Solution



Sol-Ark recommended power cable



| Model | Max DC Current | Power cable |
|-------|----------------|-------------|
| 30K | 50A per Input | 6 – 4 AWG |
| 60K | 50A per Input | 6 – 4 AWG |

HV48100 se Enclosures



| Product | HV48100 se Cabinet ¹ 150215100160 |
|----------------------|-------------------------------------------------|
| Mounting | Ground |
| Enclosure Protection | IP55 |
| Install Location | Outdoor |
| Max Battery Capacity | 15 (75kWh) |
| Dimensions(L*W*H) | 1200 * 1100 * 2015 mm 47 * 43 * 79 in |
| Weight | 1069 lbs / 485 kg |

1. Fire suppression system is optional



30kW + 70kWh

- UL 9540 Certified
- Ground Mounted
- Outdoor Rated

SA-30K



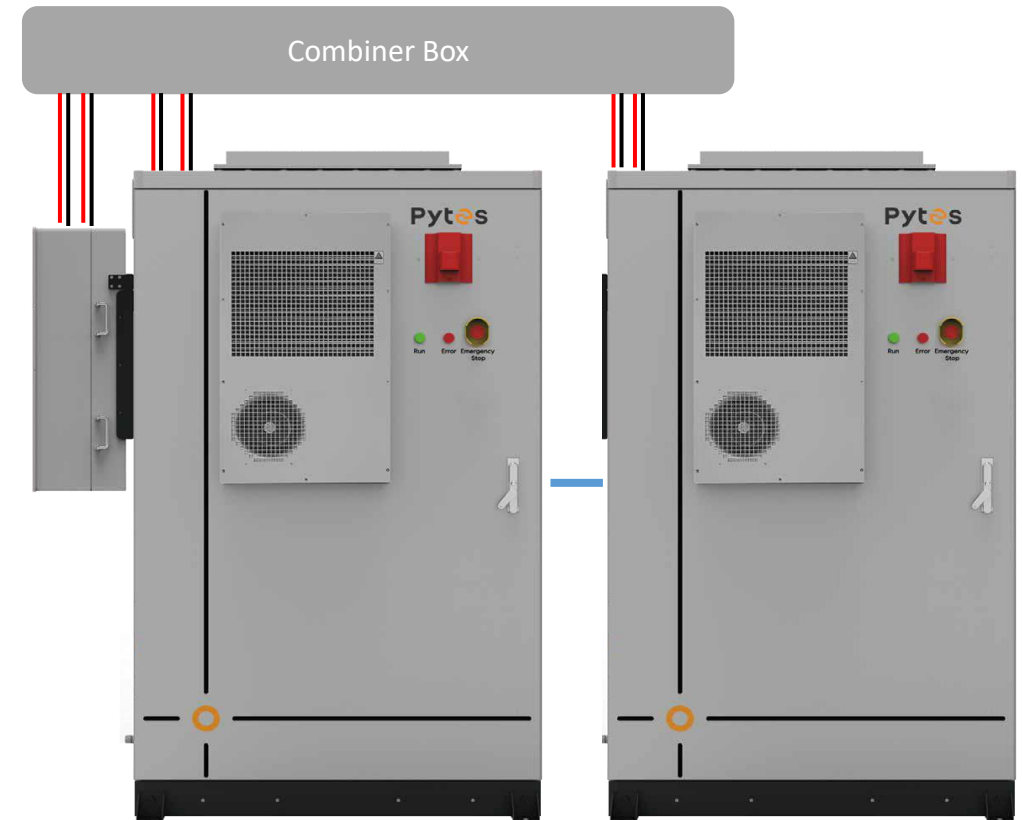
| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|--------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 1 pc |
| 2 | HV48100 se Battery Cluster | | | 1 Cluster |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 1 pc |
| 2.2 | | HV48100 se BCU | 2 pc | 2 pcs |
| 2.3 | | HV48100 se BMU | 14 pcs | 14 pcs |



30kW + 140kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|---------------------------------------------------|------------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 1 pc |
| 2. | 150215100225 | HV Combiner Box | | 1 pc |
| 3. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 2 sets |
| 4 | HV48100 se Battery Cluster | | 2 Clusters | |
| 4.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 2 pcs |
| 4.2 | | HV48100 se BCU | 2 pc | 4 pcs |
| 4.3 | | HV48100 se BMU | 14 pcs | 28 pcs |





60kW + 140kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|------------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 2 pcs |
| 2 | HV48100 se Battery Cluster | | 2 Clusters | |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 2 pcs |
| 2.2 | | HV48100 se BCU | 2 pc | 4 pcs |
| 2.3 | | HV48100 se BMU | 14 pcs | 28 pcs |

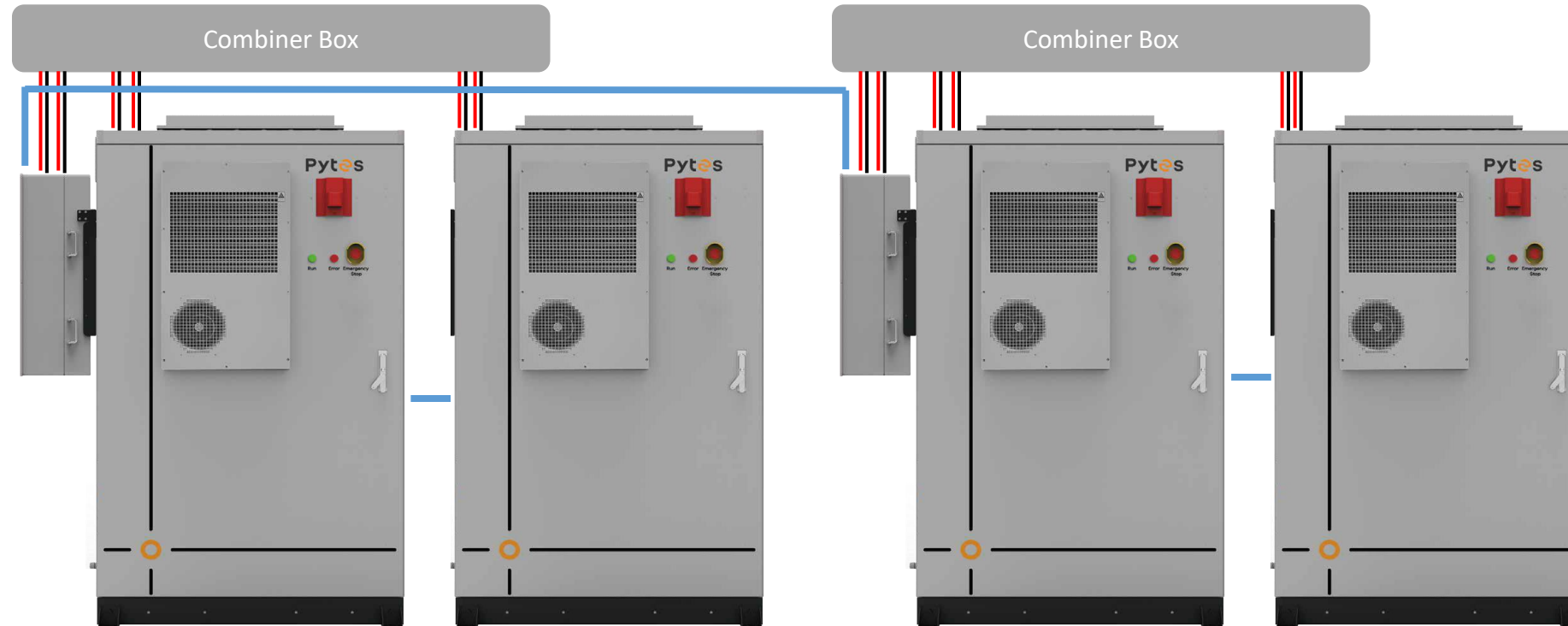




60kW + 280kWh

- UL 9540 Certified
- Ground Mounted
- Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|------------------------------------------------|--------|---------------|
| 1 | 162002100029 | SA-30K Inverter | | 2 pcs |
| 2. | 150215100225 | HV Combiner Box | | 2 pcs |
| 3. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 4 sets |
| 4 | HV48100 se Battery Cluster | | | 4 Clusters |
| 4.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 4 pcs |
| 4.2 | | HV48100 se BCU | 2 pc | 8 pcs |
| 4.3 | | HV48100 se BMU | 14 pcs | 56 pcs |

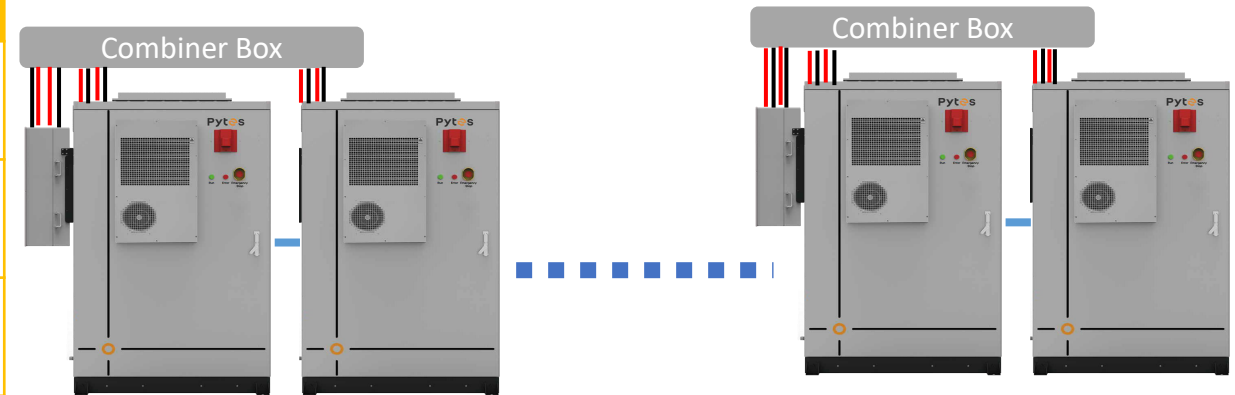


Up to 300kW/2.1MWh

Please contact Pytes for custom configurations.

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|----------------------------------------------------------------|-------------------|-----------------------------------|
| 1 | 162002100029 | SA-30K Inverter | | n¹ pcs |
| 2. | 150215100225 | HV Combiner Box ² | | n pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter ² | | n*2 sets |
| 2 | HV48100 Battery Cluster | | | (1-3)*n Clusters |
| 2.1 | 150215100160 | HV48100 Cabinet | 1 pc | (1-3)*n pcs |
| 2.2 | 151201100050 | HV48100 BCU | 2 pcs | (1-3)*n*2 pcs |
| 2.3 | 151201100052 | HV48100 BMU | (10/12/14) pcs | (1-3)*n*(10/12/14) pcs |

- n=1~10**
- Only needed if each inverter has more than 1 battery cluster**



Each SA 30K can accept **1~3** battery clusters,
Each battery cluster can contain **10~14** modules(BMUs)

Up to 10 SA 30K Inverters can be connected in parallel
For multi-inverter systems:
-Each inverter must have same quantity of battery clusters
-Each battery cluster must have same quantity of modules



60kW + 60kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

SA-60K

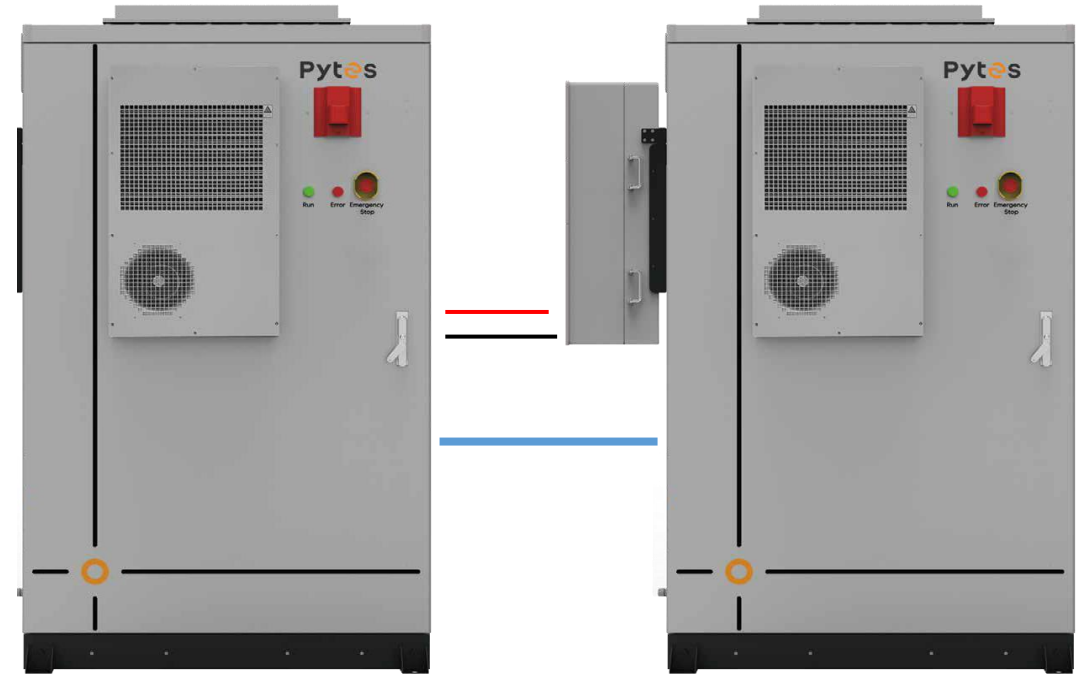


| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|--------|---------------|
| 1 | 162002100119 | SA-60K Inverter | | 1 pc |
| 2 | HV48100 se Battery Cluster | | | 1 Cluster |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 1 pc |
| 2.2 | | HV48100 se BCU | 1 pc | 1 pcs |
| 2.3 | | HV48100 se BMU | 12 pcs | 12 pcs |



60kW + 120kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated



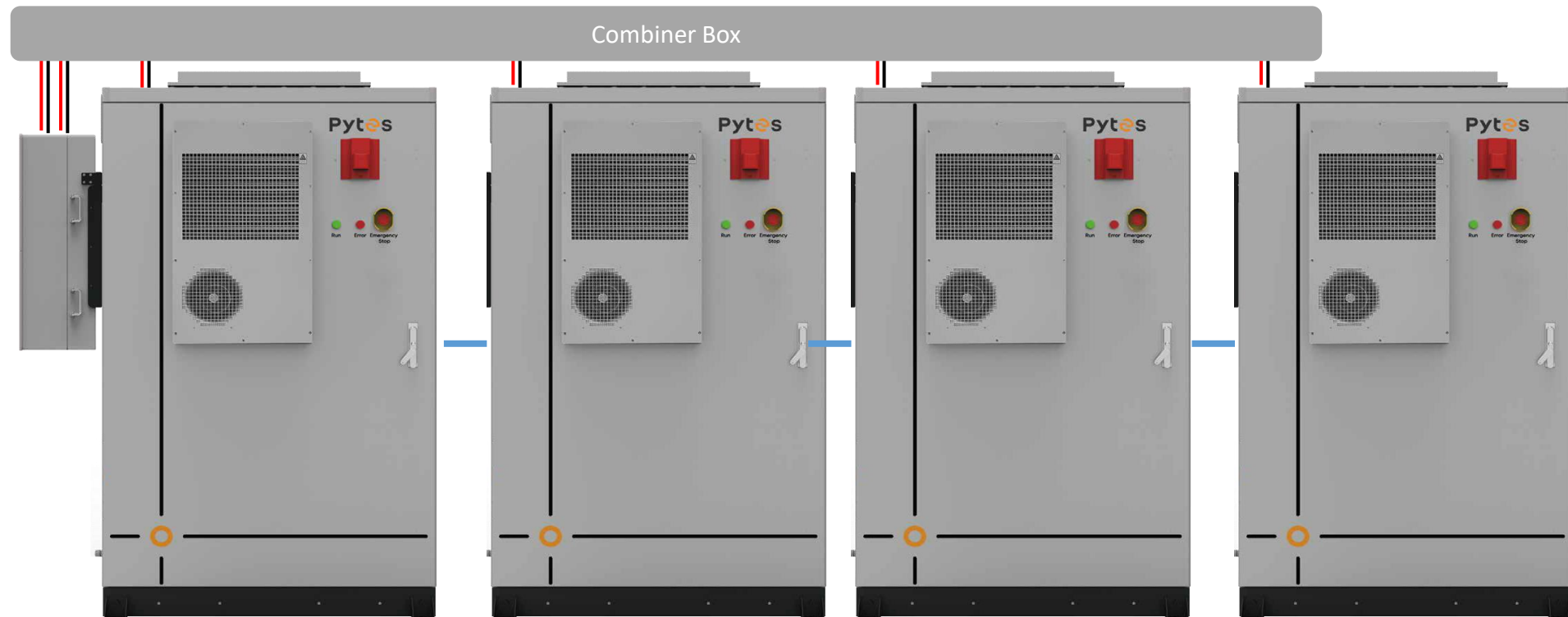
| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|--------|---------------|
| 1 | 162002100119 | SA-60K Inverter | | 1 pc |
| 2 | HV48100 se Battery Cluster | | | 2 Clusters |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 2 pcs |
| 2.2 | | HV48100 se BCU | 1 pc | 2 pcs |
| 2.3 | | HV48100 se BMU | 12 pcs | 24 pcs |



60kW + 240kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|------------------------------------------------|------------|-----------|
| 1 | 162002100119 | SA-60K Inverter | | 1 pc |
| 2. | 150215100225 | HV Combiner Box | | 1 pc |
| 3. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter | | 2 sets |
| 4 | HV48100 se Battery Cluster | | 4 Clusters | |
| 4.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 4 pcs |
| 4.2 | | HV48100 se BCU | 1 pc | 4 pcs |
| 4.3 | | HV48100 se BMU | 12 pcs | 48 pcs |





120kW + 240 kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|--------|---------------|
| 1 | 162002100119 | SA-60K Inverter | | 2 pcs |
| 2 | HV48100 se Battery Cluster | | | 4 Clusters |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 4 pcs |
| 2.2 | | HV48100 se BCU | 1 pc | 4 pcs |
| 2.3 | | HV48100 se BMU | 12 pcs | 48 pcs |





480kW + 960 kWh

- ✓ UL 9540 Certified
- ✓ Ground Mounted
- ✓ Outdoor Rated

| Series Number | | Bill of Materials | | Sub-total |
|---------------|----------------------------|--------------------|--------|----------------|
| 1 | 162002100119 | SA-60K Inverter | | 8 pcs |
| 2 | HV48100 se Battery Cluster | | | 16 Clusters |
| 2.1 | 110403100126 | HV48100 se Cabinet | 1 pc | 16 pcs |
| 2.2 | | HV48100 se BCU | 1 pc | 16 pcs |
| 2.3 | | HV48100 se BMU | 12 pcs | 192 pcs |



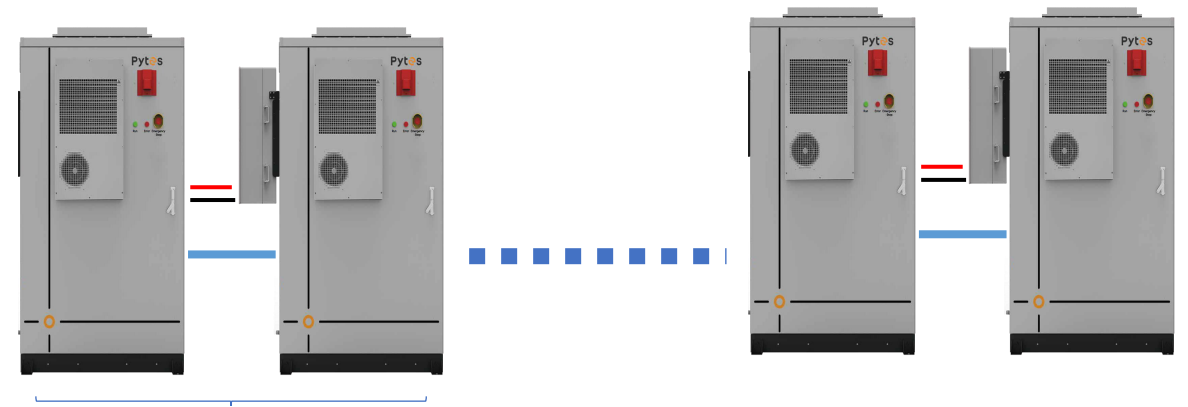
8* SA 60K/16*HV48100 se battery clusters

Up to 600kW/3.6MWh

Please contact Pytes for custom configurations.

| Series Number | | Bill of Materials | | Sub-total |
|---------------|------------------------------|----------------------------------------------------------------|------------------|---------------------------|
| 1 | 162002100119 | SA-60K Inverter | | n¹ pcs |
| 2. | 150215100225 | HV Combiner Box ² | | n pc |
| 4. | 161412101415 161412101416 | 4AWG power cable from Combiner box to Inverter ² | | n*2 sets |
| 2 | HV48100 Battery Cluster | | (1-6)*n Clusters | |
| 2.1 | 150215100160 | HV48100 Cabinet | 1 pc | (1-6)*n pcs |
| 2.2 | 151201100050 | HV48100 BCU | 1 pc | (1-6)*n pcs |
| 2.3 | 151201100052 | HV48100 BMU | (5~12) pcs | (1-6)*n*(5~12) pcs |

1. **n=1~10**
2. **Only needed if each inverter has more than 2 battery clusters**



Each SA 60K can connect **1~6** battery clusters,
Each battery cluster can contain **5~12** modules (BMUs).

Up to 10 SA 60K Inverters can be connected in parallel
For multi-inverter systems:
-Each inverter must have same quantity of battery clusters
-Each battery cluster must have same quantity of modules