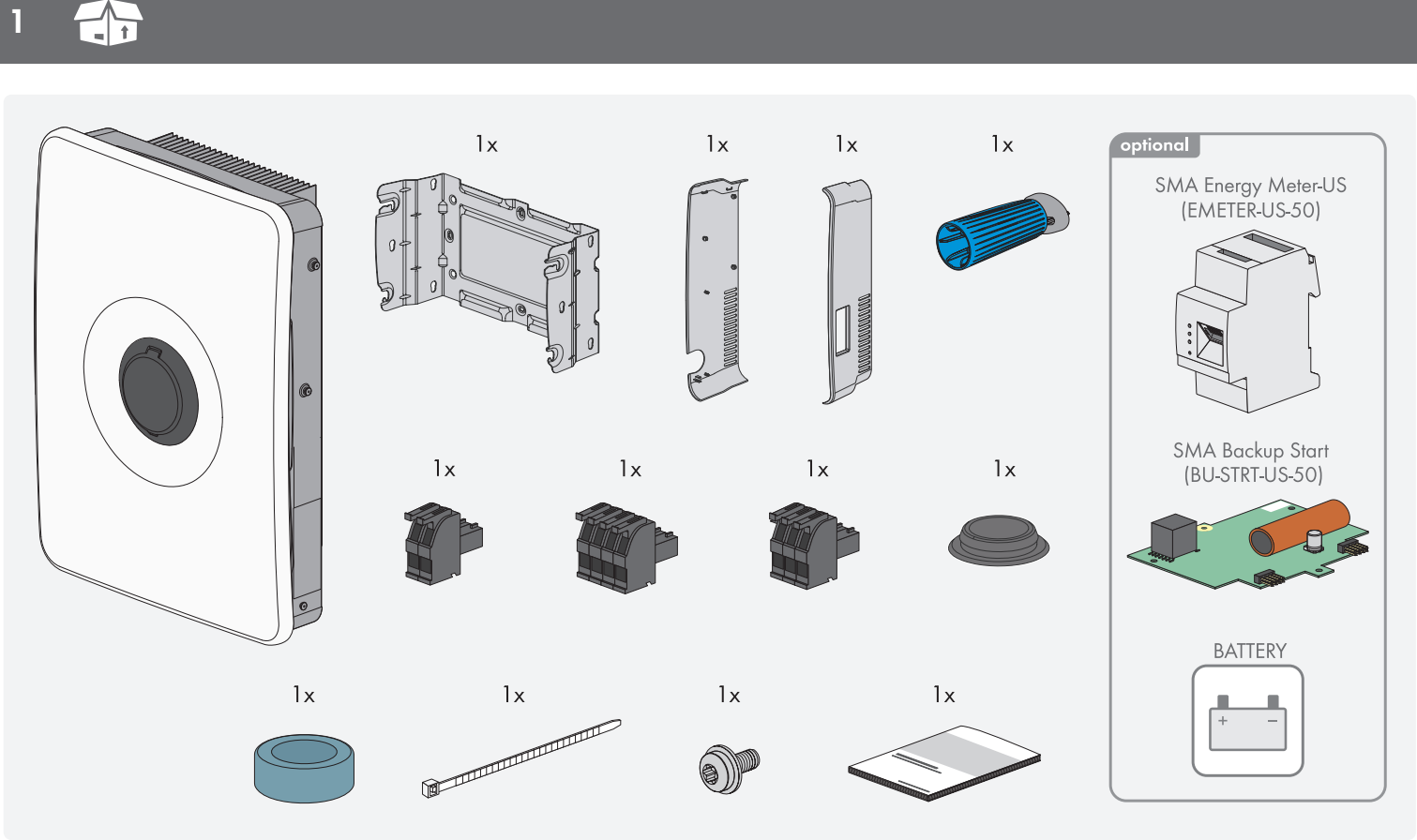
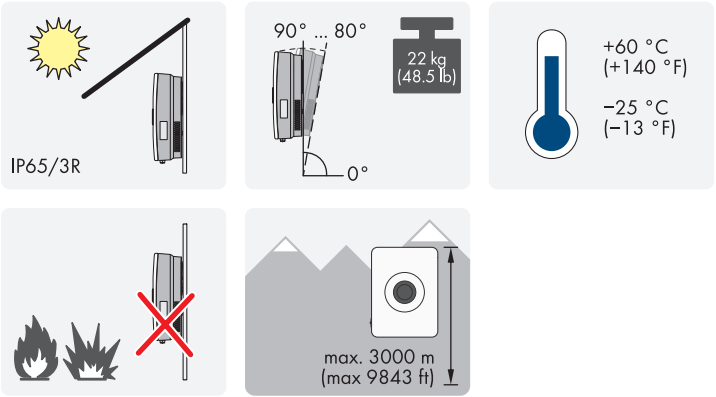


SUNNY BOY SMART ENERGY

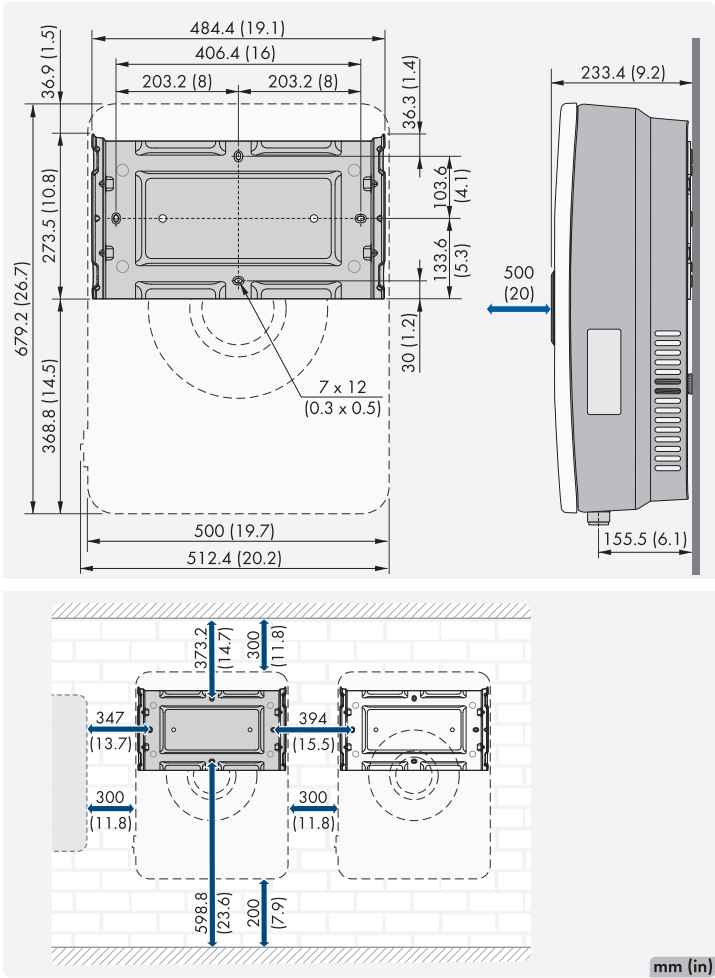
SBSE9.6-US-50 / SBSE11.5-US-50



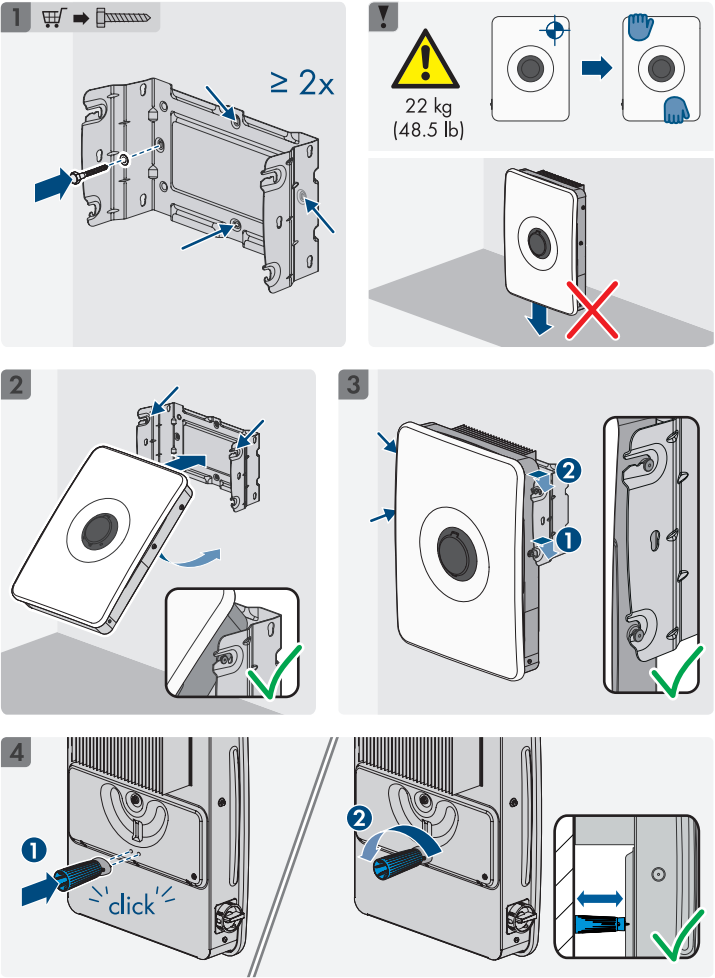
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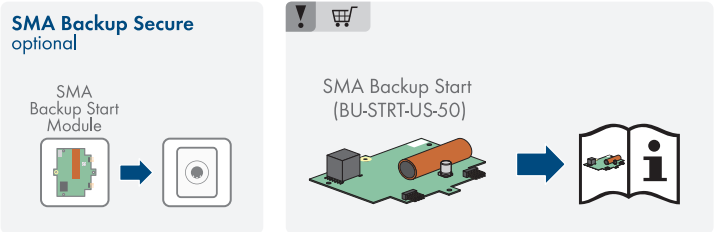
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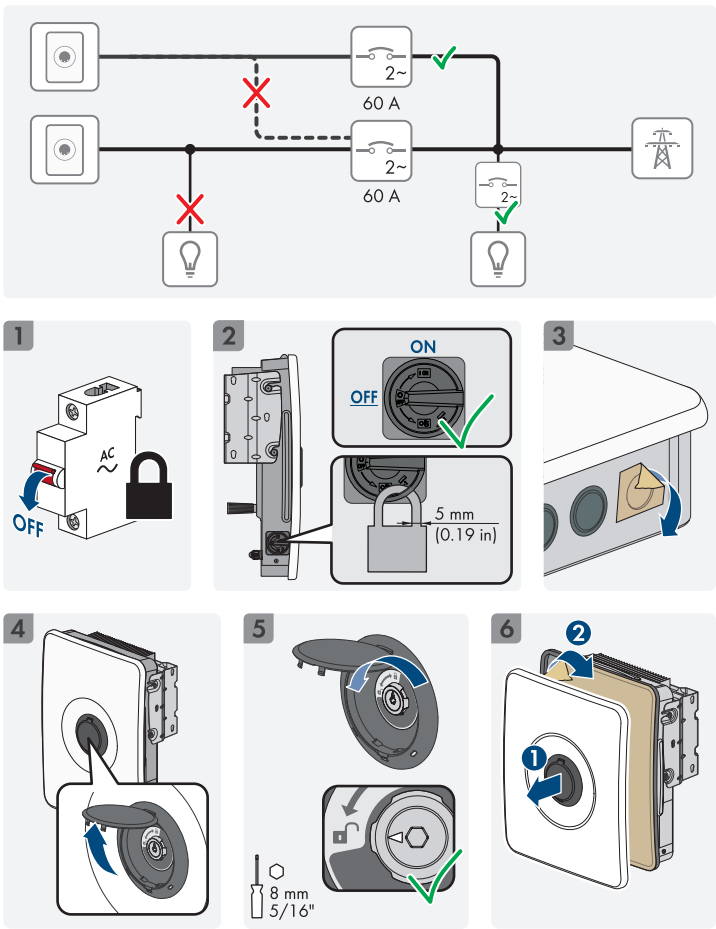
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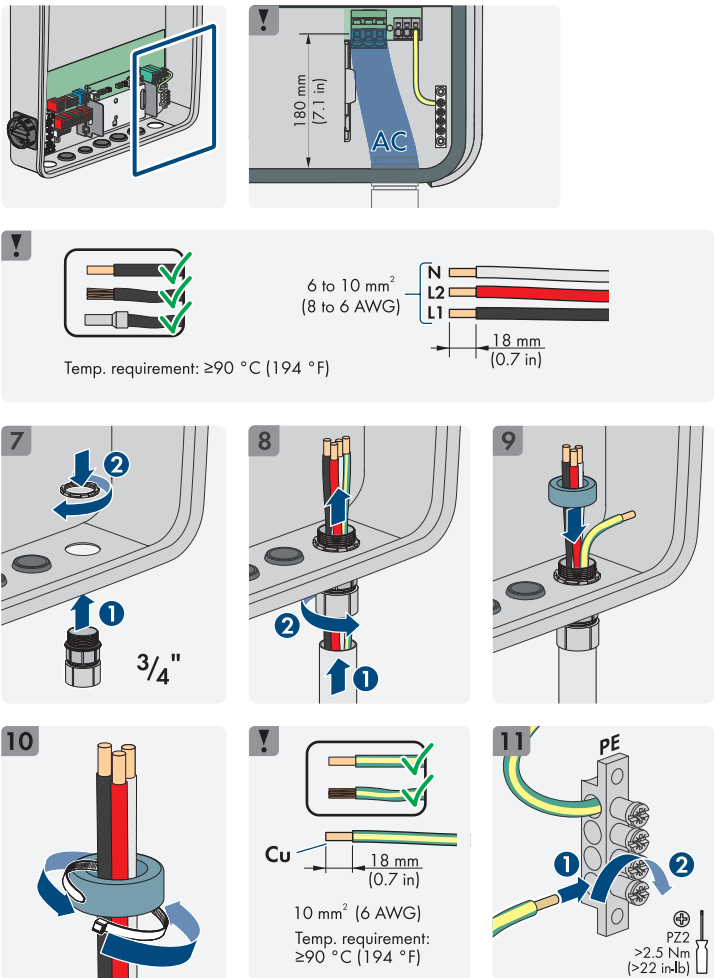
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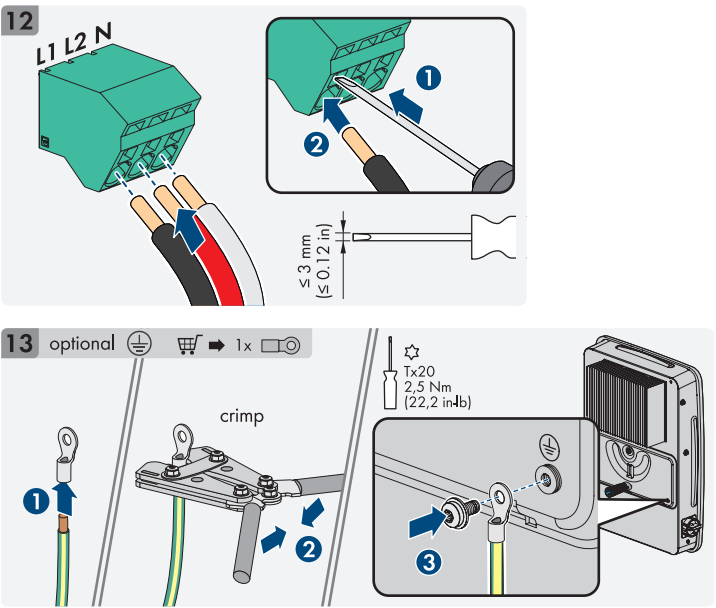
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5



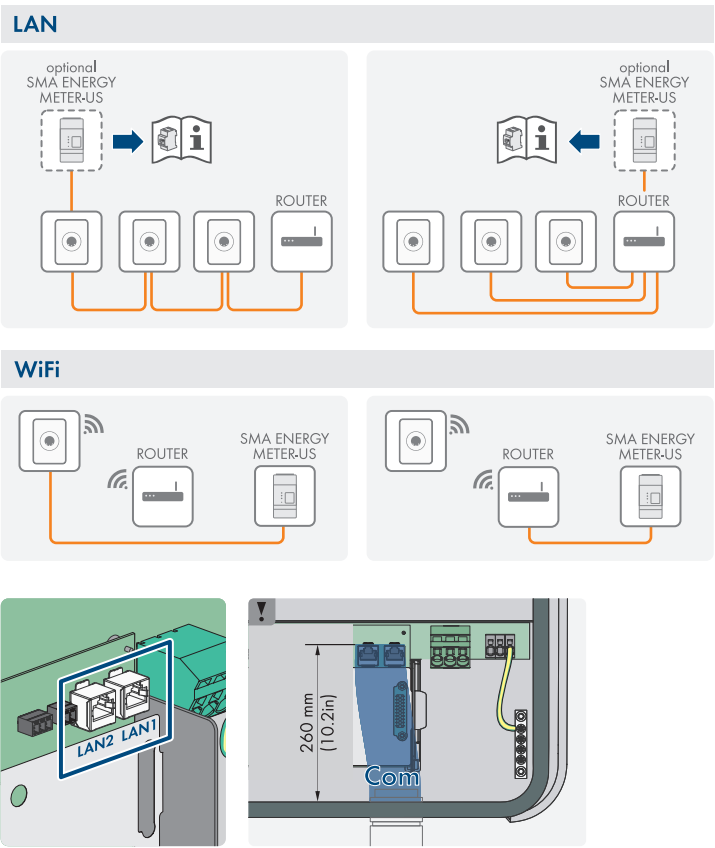
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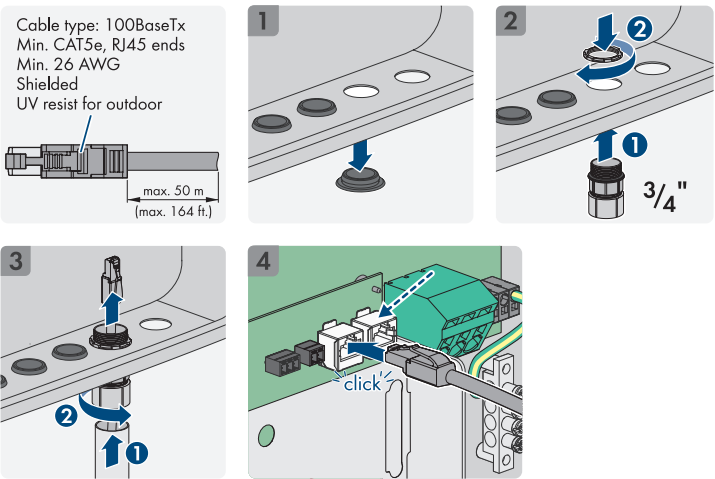
5

	SBSE9.6-US-50	SBSE11.5-US-50
P _{AC} (@240 V)	9.6 kW	11.52 kW
P _{AC} (@208 V)	8.32 kW	9.98 kW
S (@cos φ = 1, 240 V)	9.6 kVA	11.52 kVA
S (@cos φ = 1, 208 V)	8.32 kVA	9.98 kVA
V _{AC, r}	240 V / 208 V	
V _{AC, range}	211 V to 264 V / 183 V to 229 V	
I _{AC, max}	40 A	48 A
f _{AC}	60 Hz	
cos φ	0.8 overexcited to 0.8 underexcited	

6



6



7

COM

optional

BATTERY

SUNNY BOY
SMART ENERGY

Approved
Batteries

Cable type: 100BaseTx
Min. CAT5e, RJ45 ends
Min. 26 AWG
Shielded
UV resist for outdoor

max. 10 m
(max. 33 ft)

7

5

4

2

BAT_EN

CAN_L

CAN_H

EN_GND

1

2

3

4

8

DC

1

2

1

2

8

DC

3

4

5

6

8

DC

	SBSE9.6-US-50	SBSE11.5-US-50
Max. generator power	19200 Wp	23040 Wp
V _{DC, max}	600 V	
V _{DC, MPP}	60 V to 480 V	
V _{DC, Initial input}	66 V	
I _{DC, max usable input A / B / C / D}	15 A	
I _{SC PV max, input A / B / C / D}	30 A	
I _{SC PV max, all inputs}	90 A	

9

DC

optional

BATTERY

SUNNY BOY
SMART ENERGY

Warning icon

1

2

3

4

9

DC

Type	Li-ion battery
V _{DC, max}	500 V
V _{DC, min}	90 V
I _{DC, max}	30 A

10

ON

1

2

3

4

5

6

10

ON

7

8

9

10

11

12

11

1

2

3

4

5

6

7

12

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