



1

1x 1x 1x

2x 2x 3x 3x 1x 1x 1x 1x

M32x1.5 M32 M32x1.5 M32 M32x1.5 M32 M25x1.5 M25

3x 1x 1x 1x 1x 1x 1x 1x

2

IP65

17.5 kg

+60 °C
-25 °C

max. 3000 m

3

484.4
203.2
203.2
36.3
273.5
260.3
500
512
7 x 12
103.6
133.6
30
500
233

mm

3

1

2

4

RCD Typ A ≥ 30 mA

32 A

32 A

1

2

3

4

5

6

4

7

8

9

10

11

12

4

	SBSE3.6 -50	SBSE4.0 -50	SBSE5.0 -50	SBSE6.0 -50
P_{AC} (@ 230 V, 50 Hz)	3.6 kW	4.0 kW	5.0 kW	6.0 kW
S (@ $\cos \varphi = 1$)	3.6 kVA	4.0 kVA	5.0 kVA	6.0 kVA
$V_{AC, r}$	230 V / 240 V			
$V_{AC, range}$	184 V to 253 V / 192 V to 264 V			
$I_{AC, max}$ (@ 230 V)	15.7 A	17.4 A	21.8 A	26.1 A
$I_{AC, max}$ (@ 240 V)	15.0 A	16.7 A	20.9 A	25 A
f_{AC}	50 Hz / 60 Hz			
$\cos \varphi$	0.8 overexcited to 0.8 underexcited			

5

optional

1

2

3

4

5

optional

8

9

10

11

12

13

6

LAN

optional SUNNY HOME MANAGER 2.0 / ENERGY METER

ROUTER

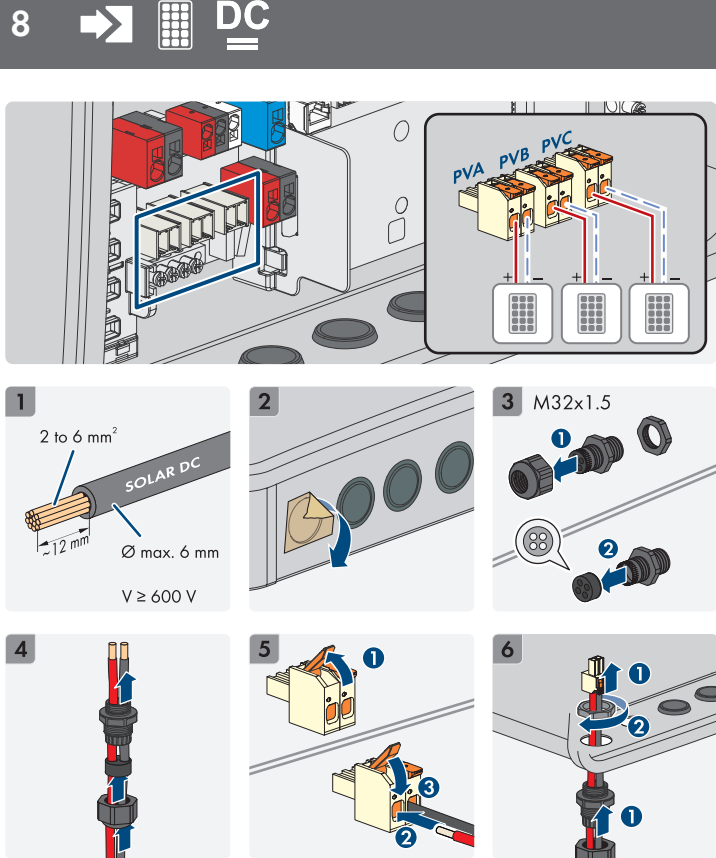
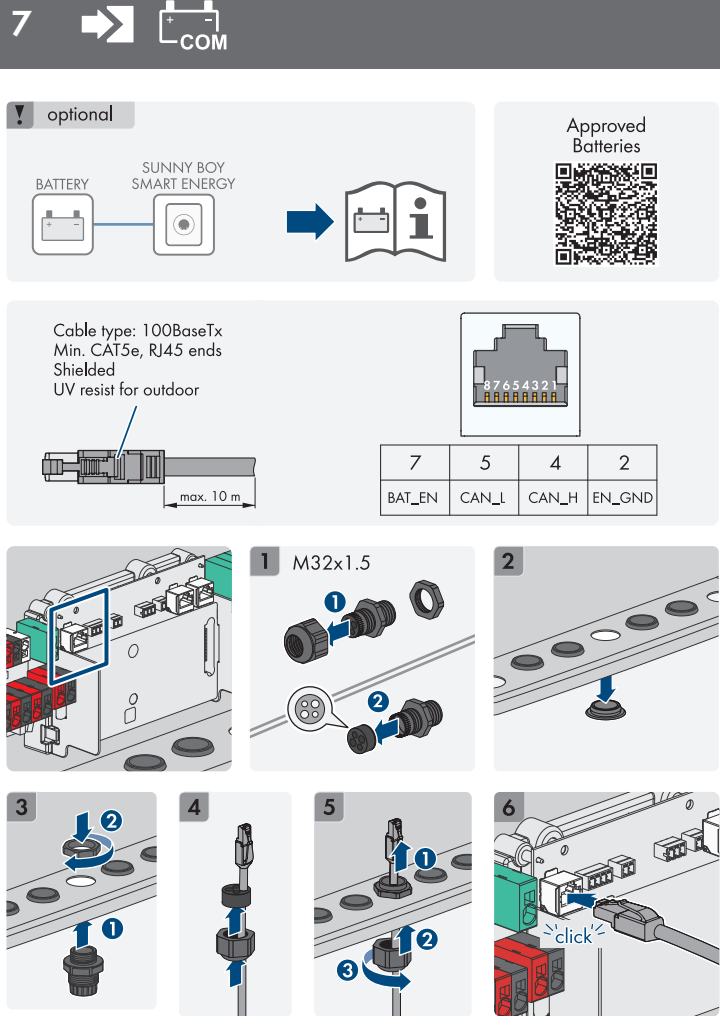
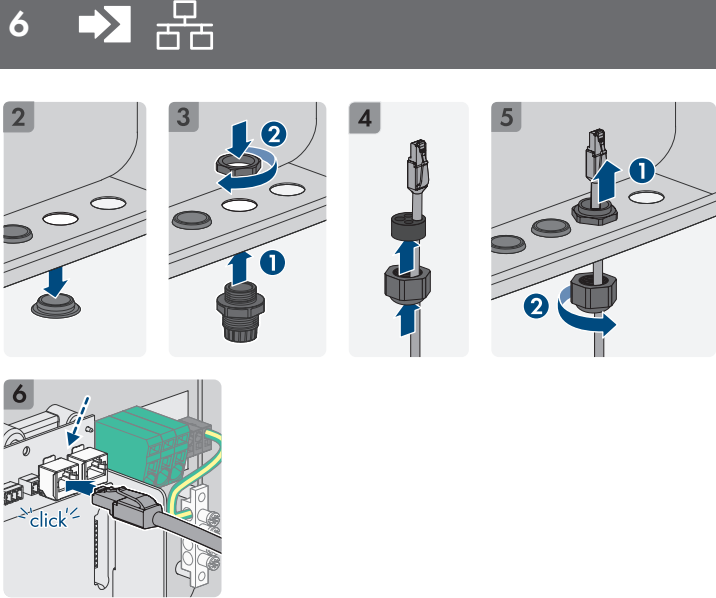
WLAN/WiFi

optional SUNNY HOME MANAGER 2.0 / ENERGY METER

ROUTER

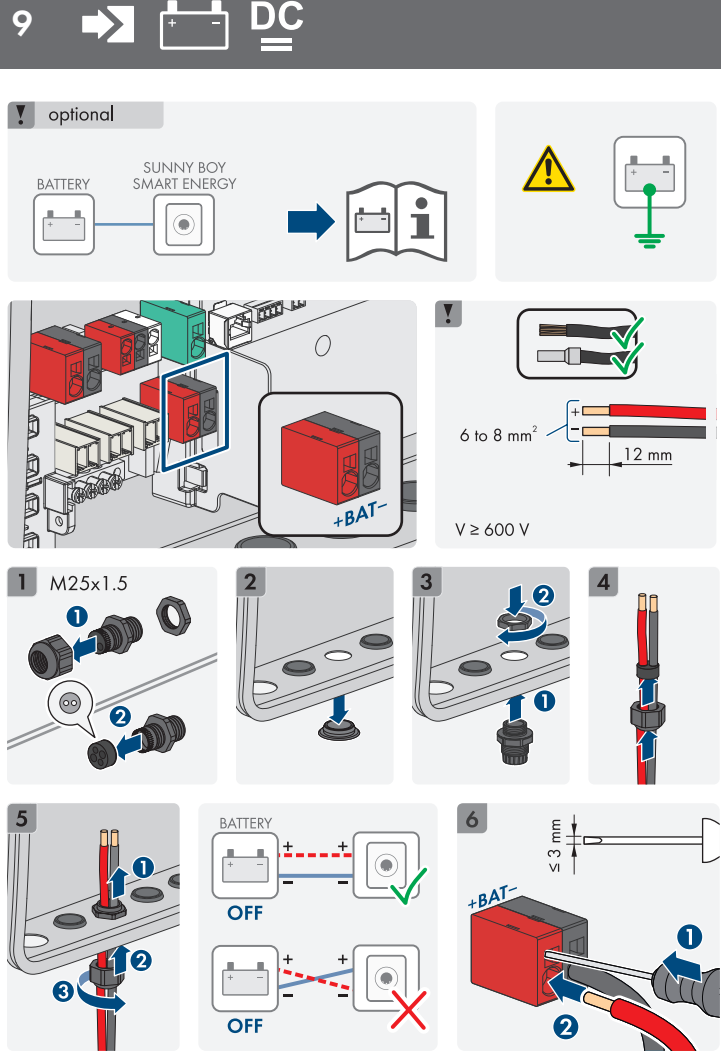
1

M32x1.5

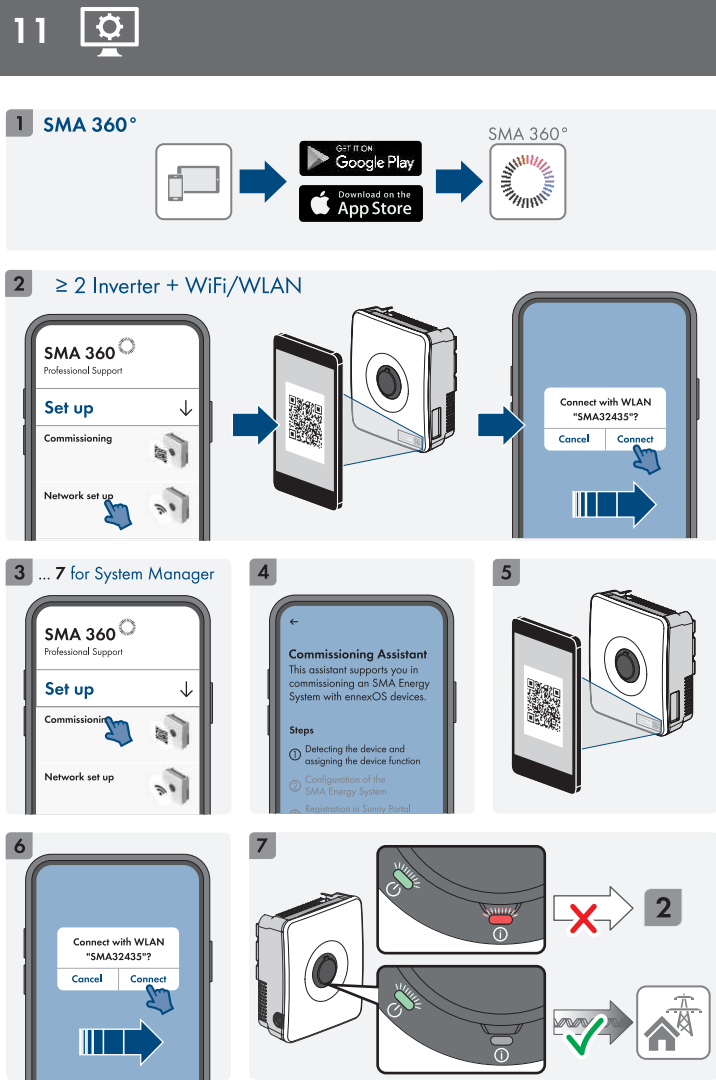
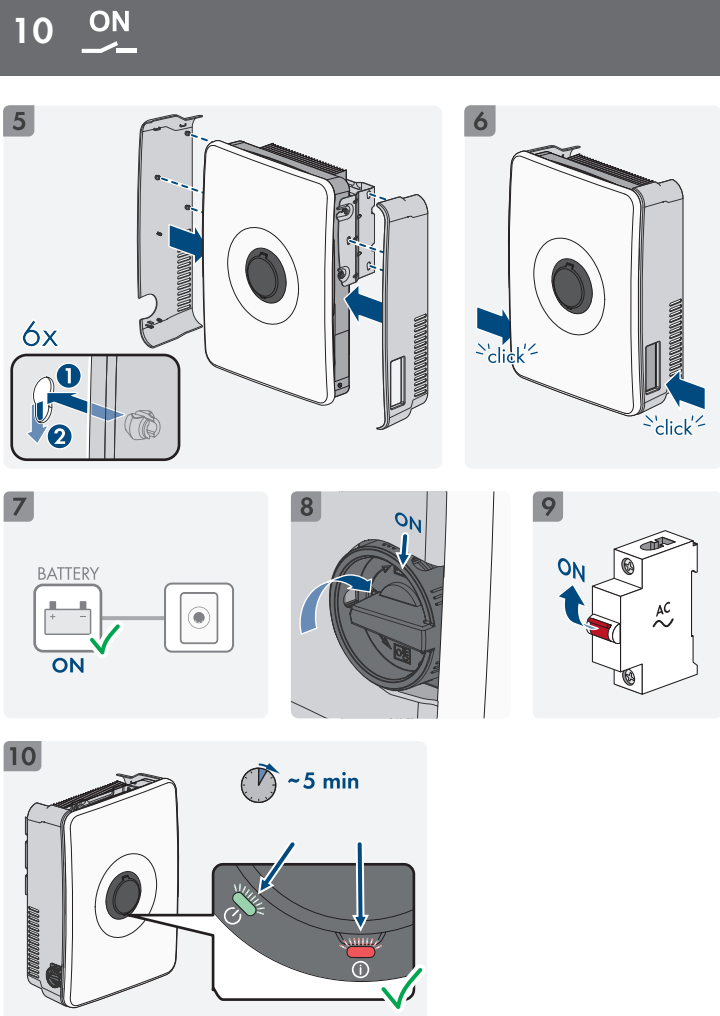
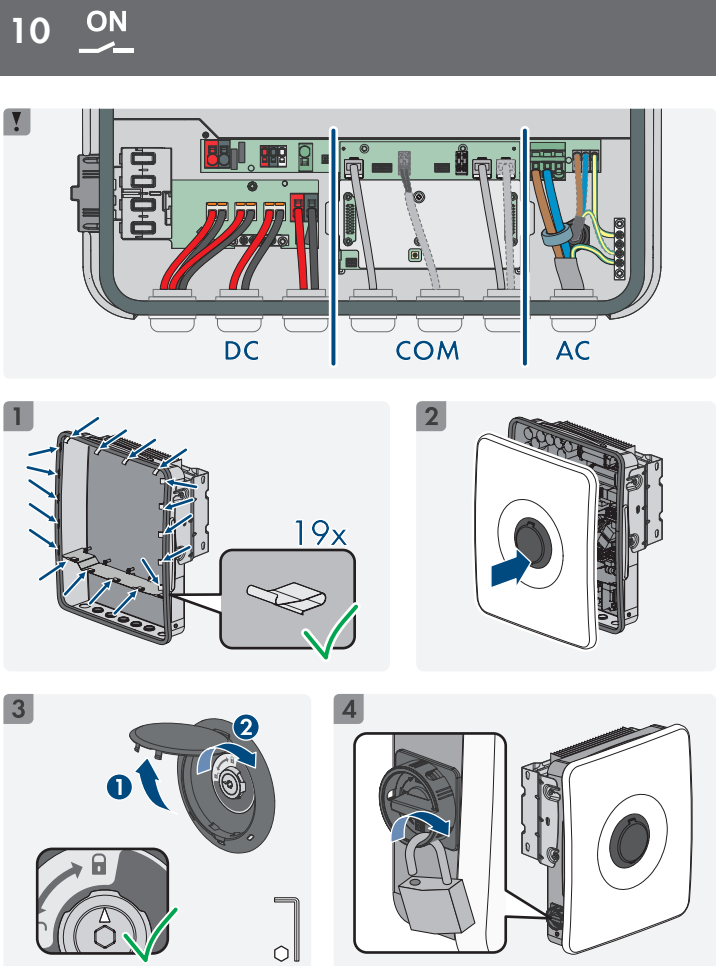


8

	SBSE3.6 -50	SBSE4.0 -50	SBSE5.0 -50	SBSE6.0 -50
Max. ge- nerator power	7200 W _p	8000 W _p	10000 W _p	12000 W _p
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}	15 A			
I _{SC PV max, input A / B / C}	30 A			
I _{SC PV max, all inputs}	60 A			



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



12 System data

Topology	no galvanic isolation
Overvoltage category in accordance with IEC 60664-1	II (DC), III (AC)
Protection class in accordance with IEC 61140	I
All-pole sensitive residual-current monitoring unit	integrated
Maximum permissible value for relative humidity, condensing	100 %
Extended humidity range according to IEC 60721-3-4	0 % to 100 %
Pollution degree inside the enclosure	2
Pollution degree outside the enclosure	3

