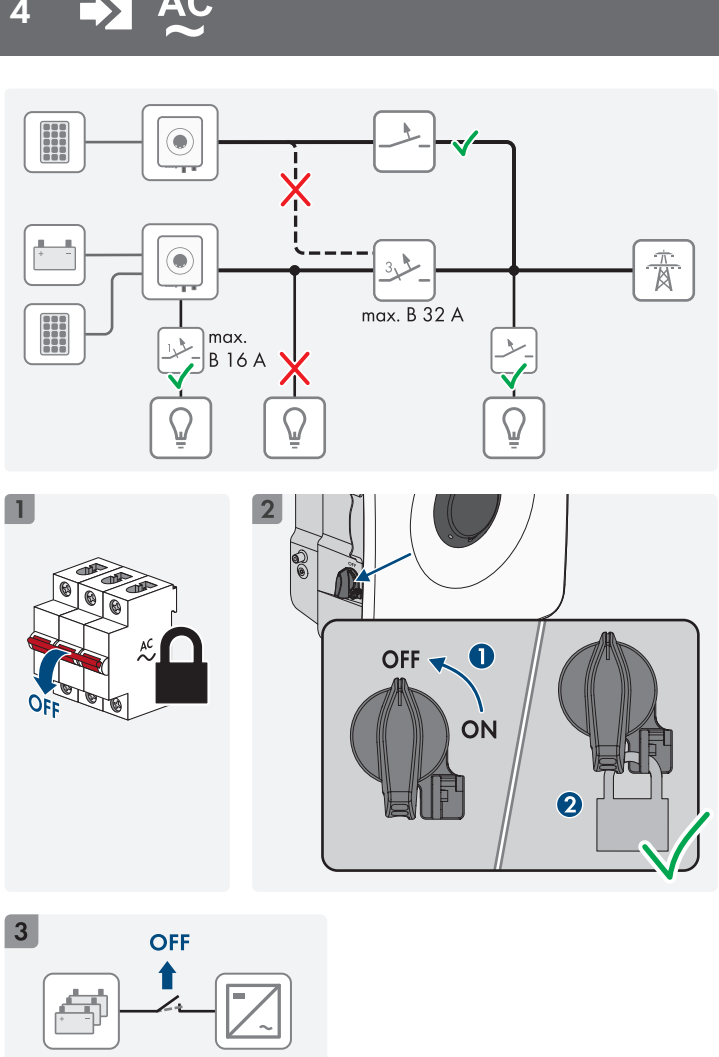
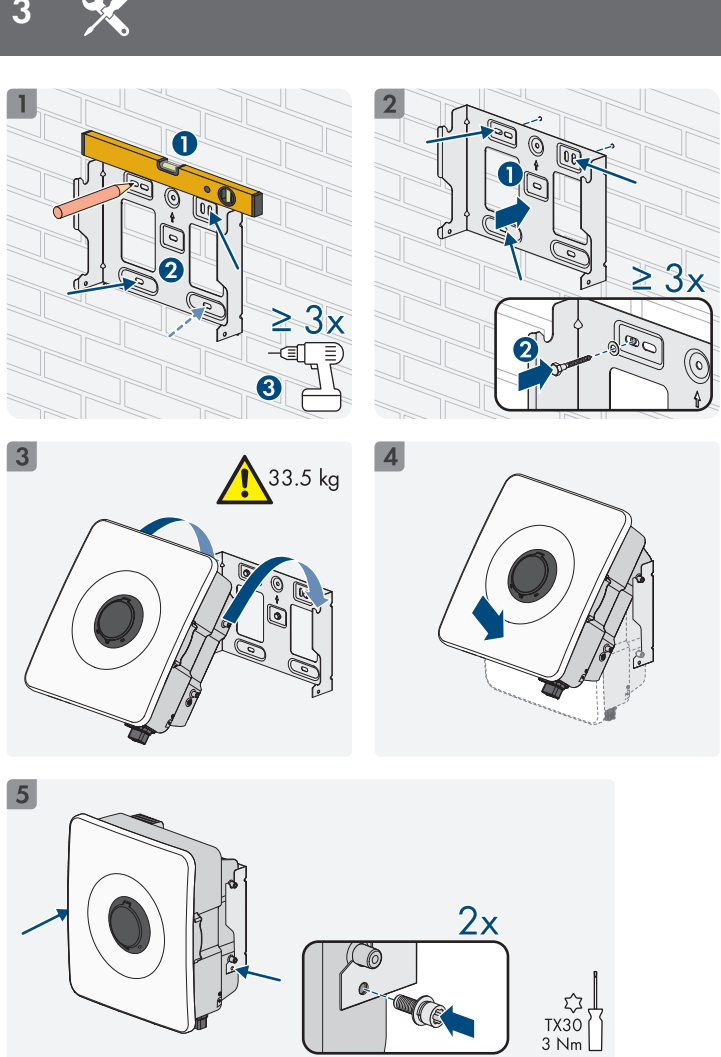
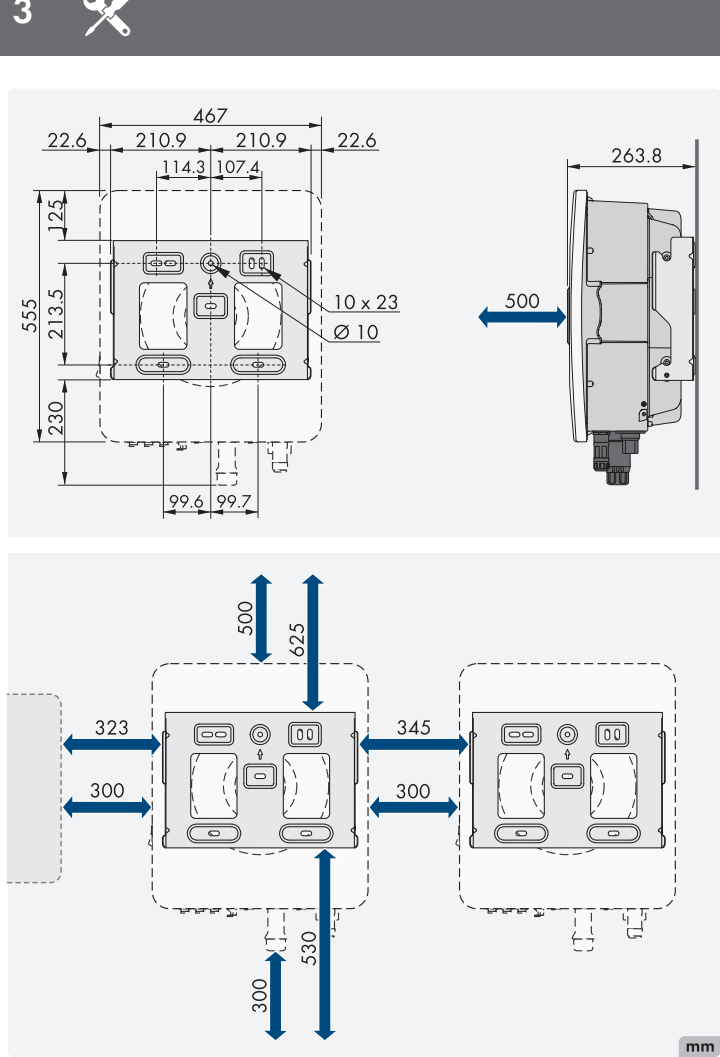
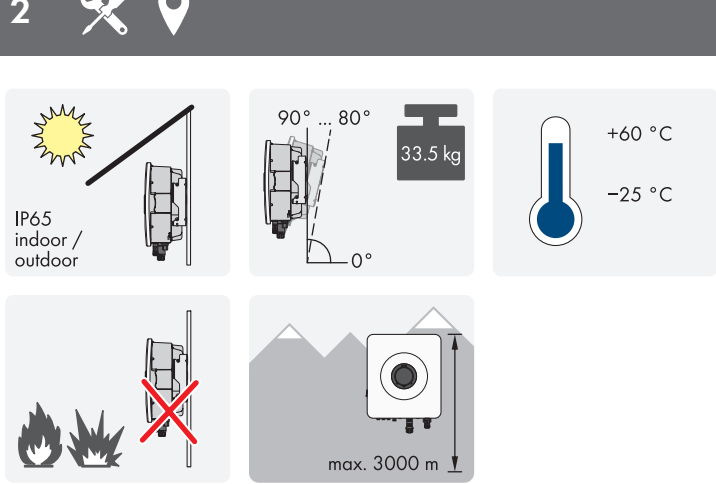
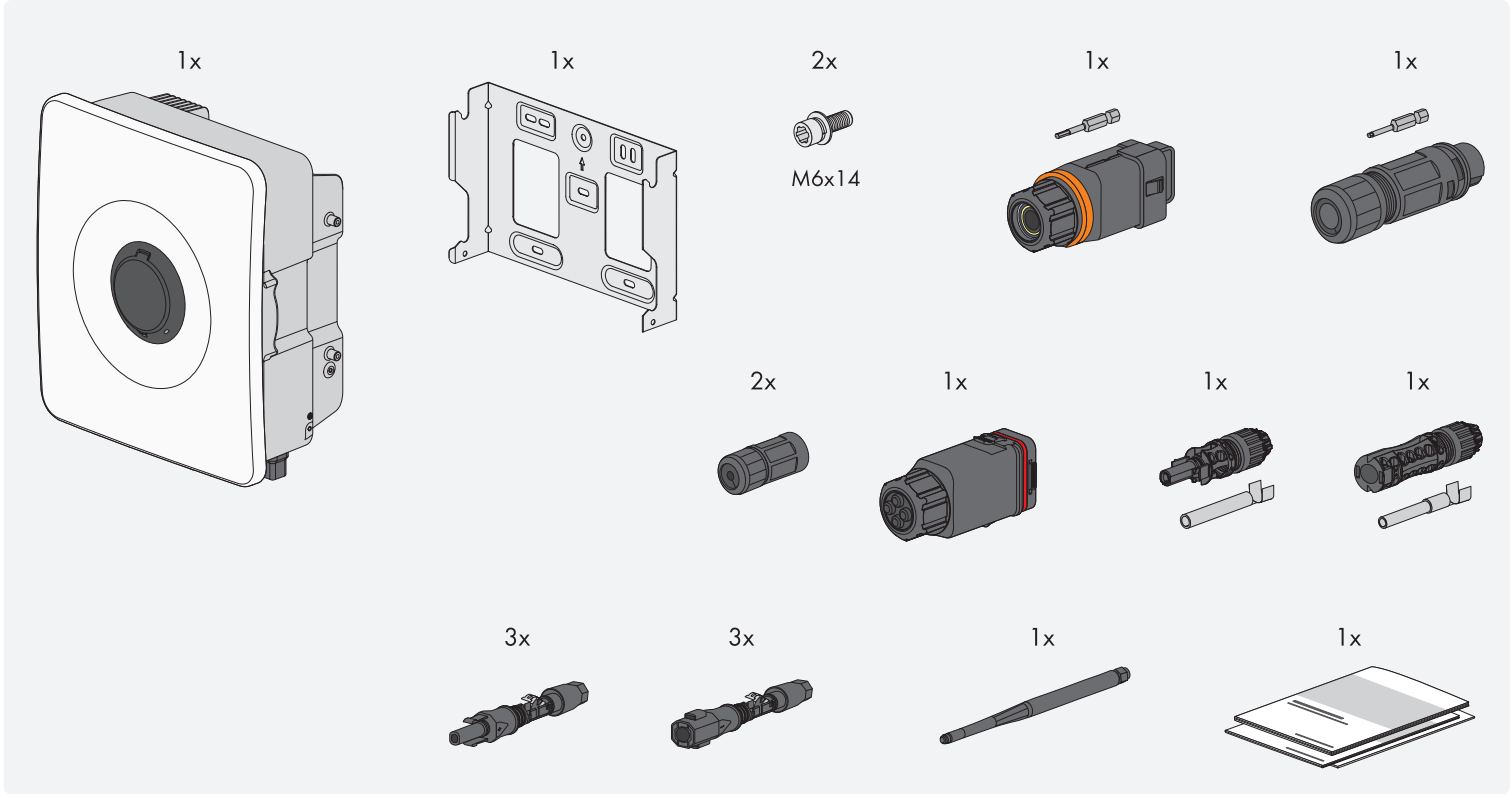


SUNNY TRIPOWER HYBRID X 5 / 6 / 8 / 10 / 12 / 15

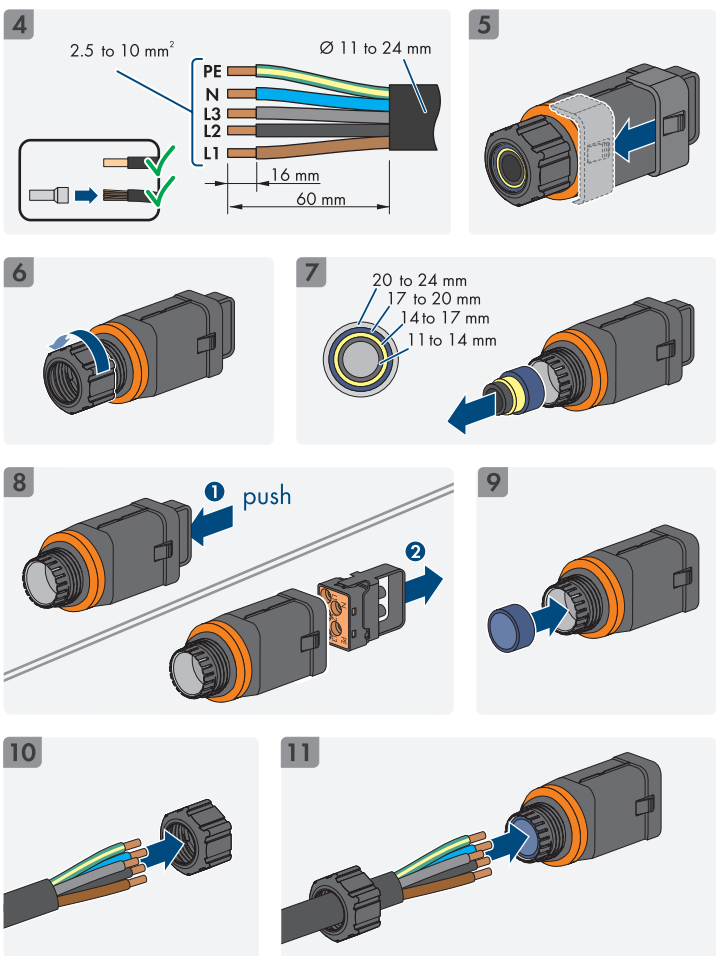
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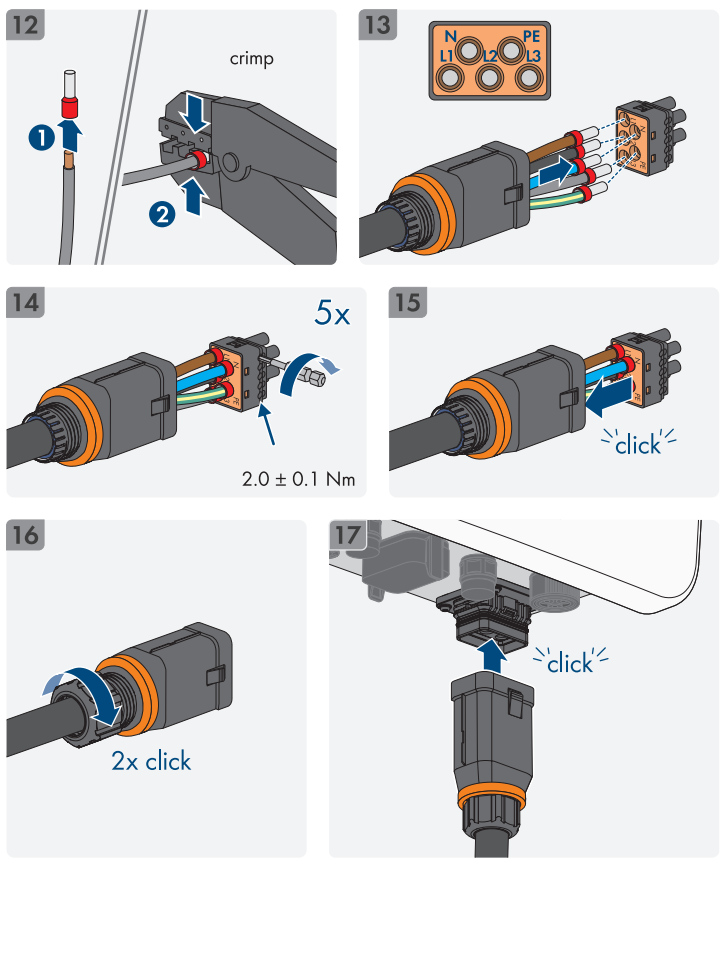
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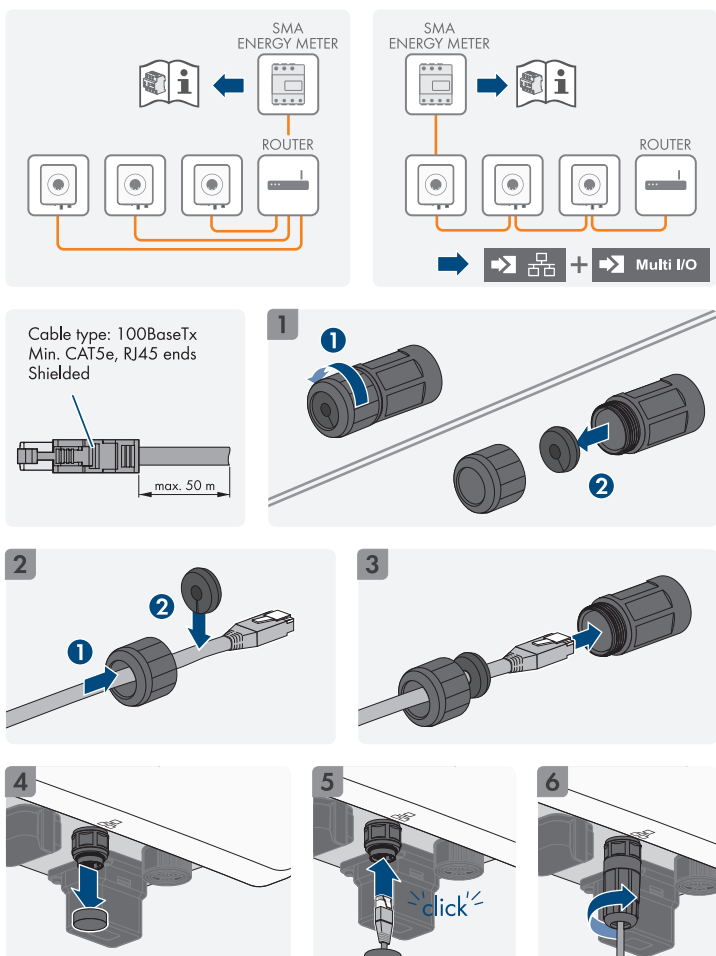
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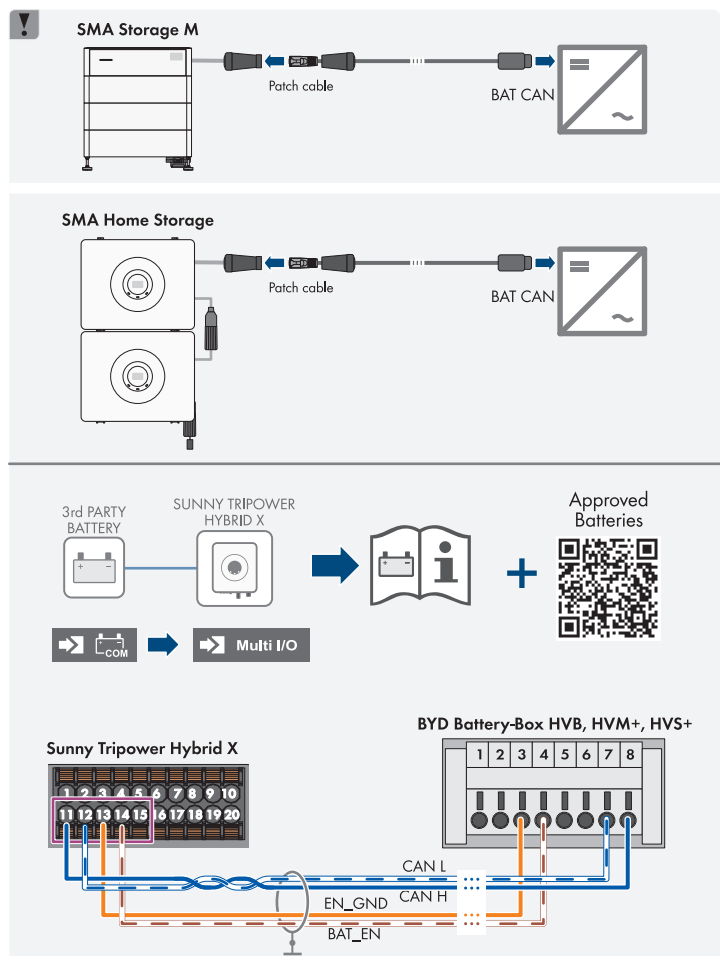
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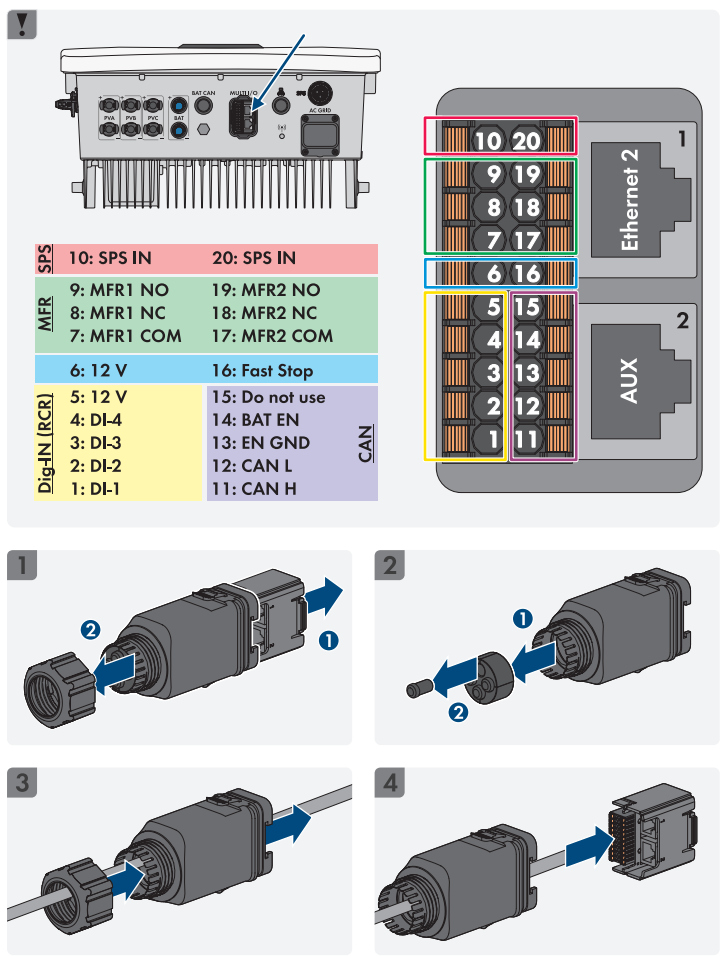
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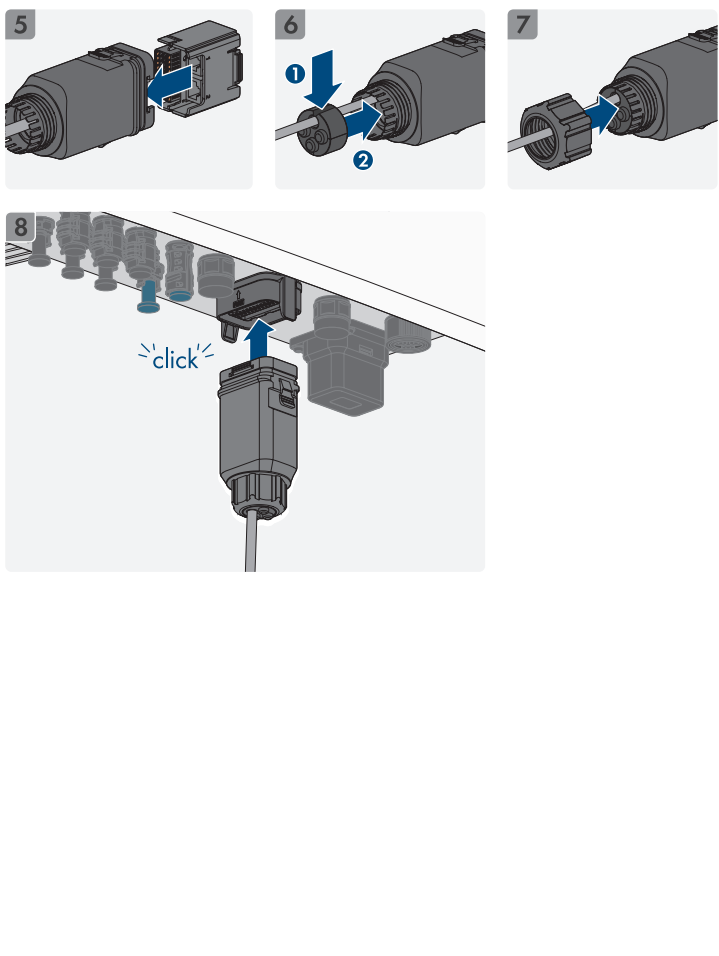
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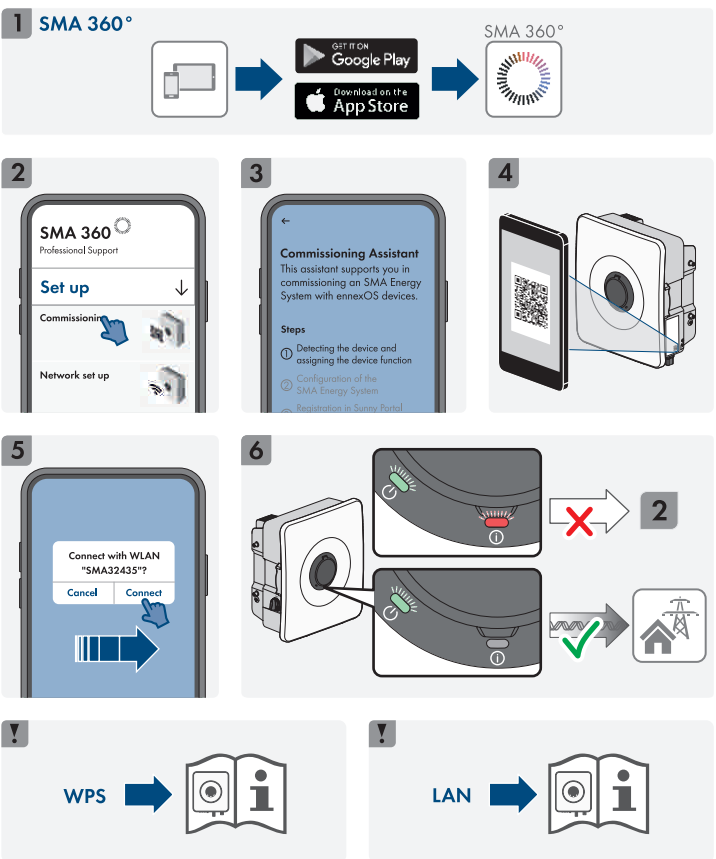
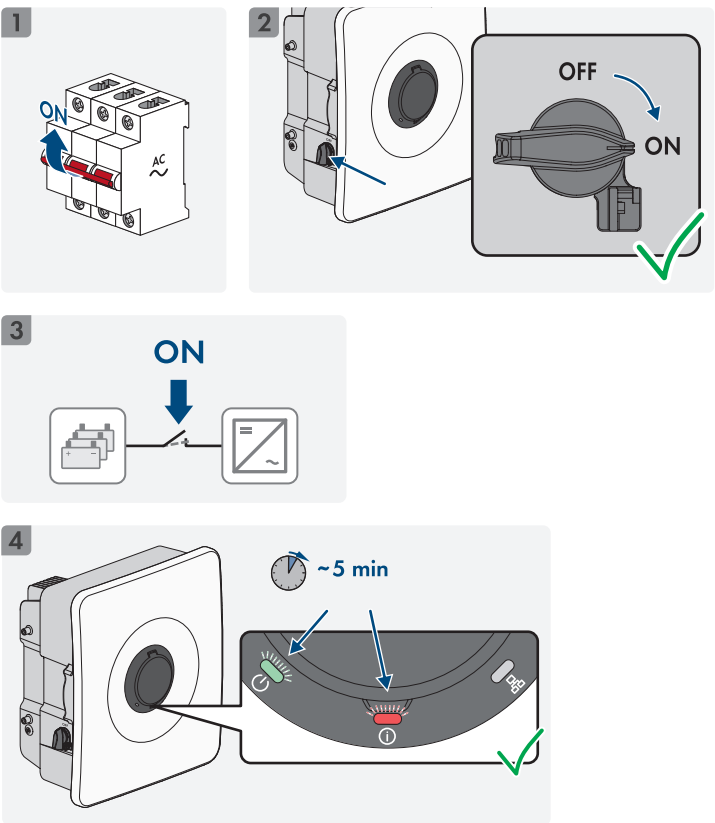
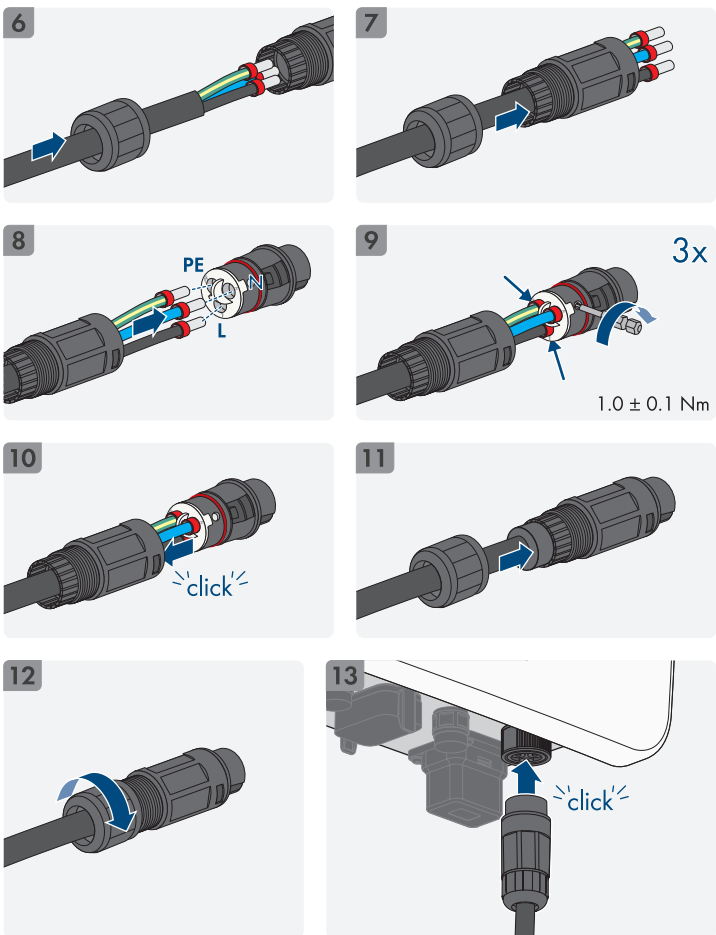
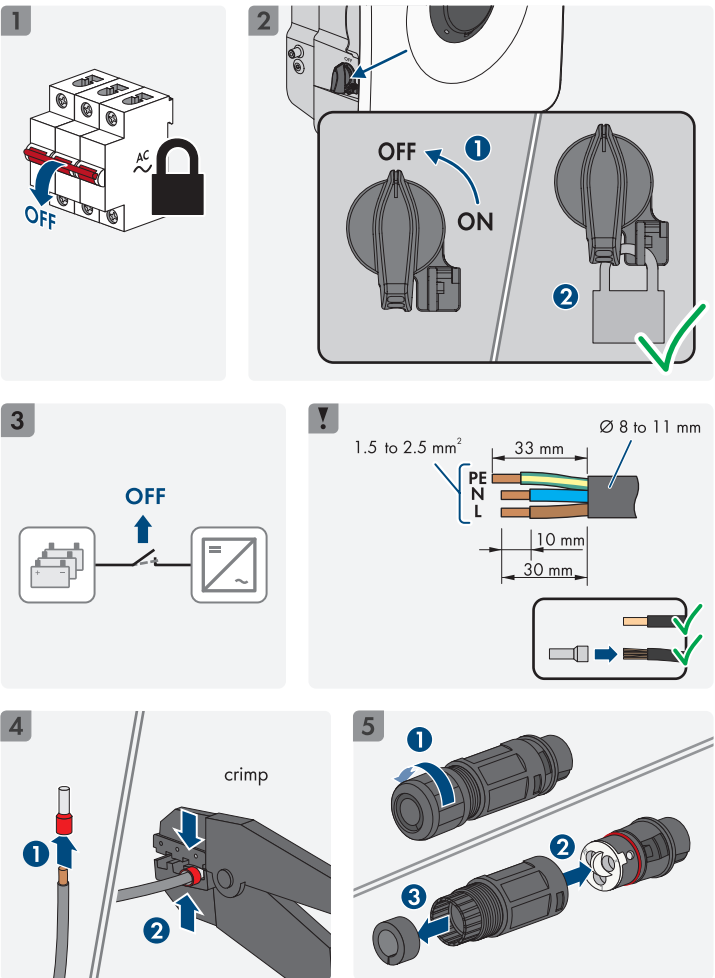
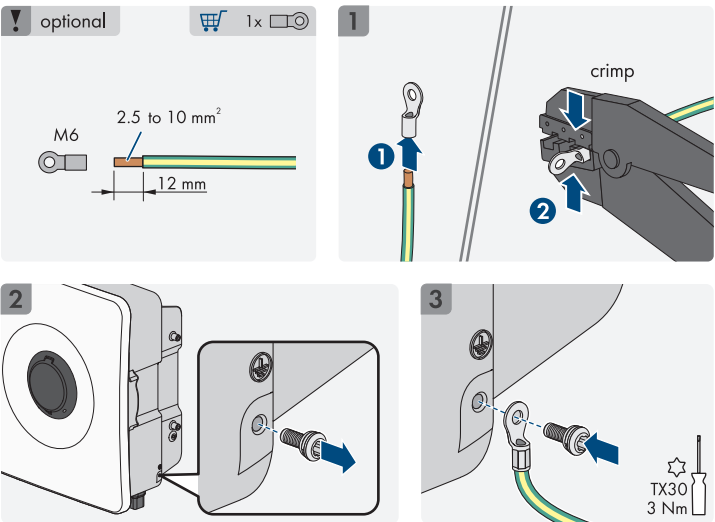
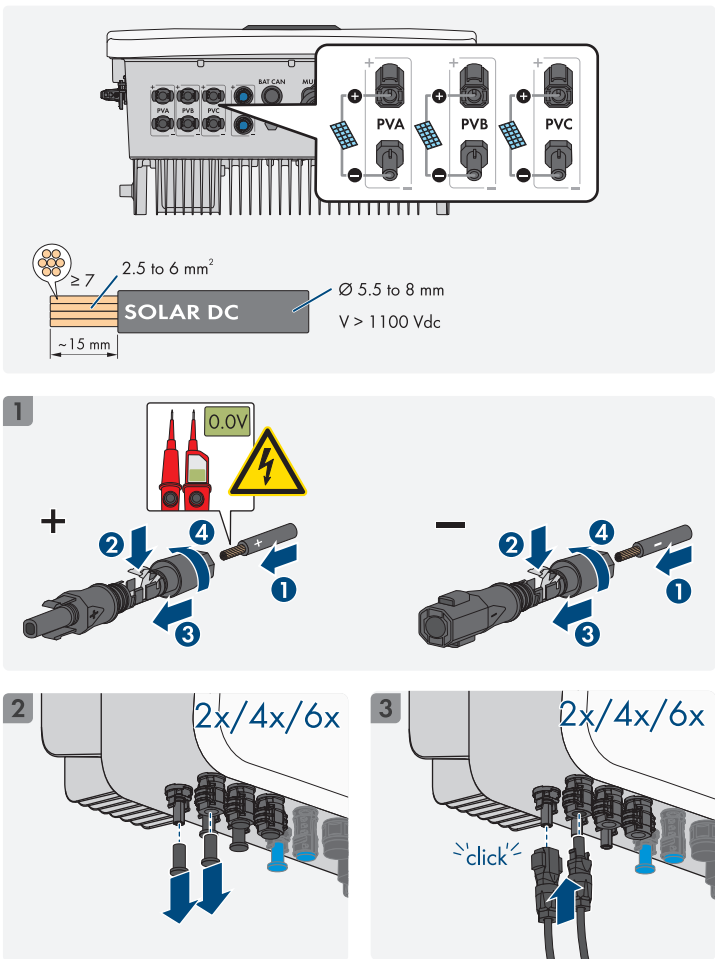
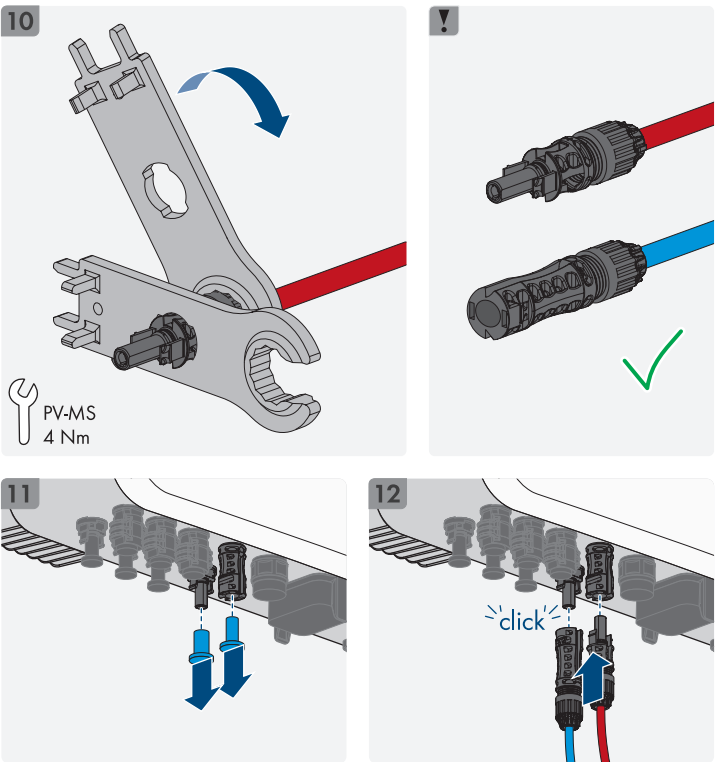
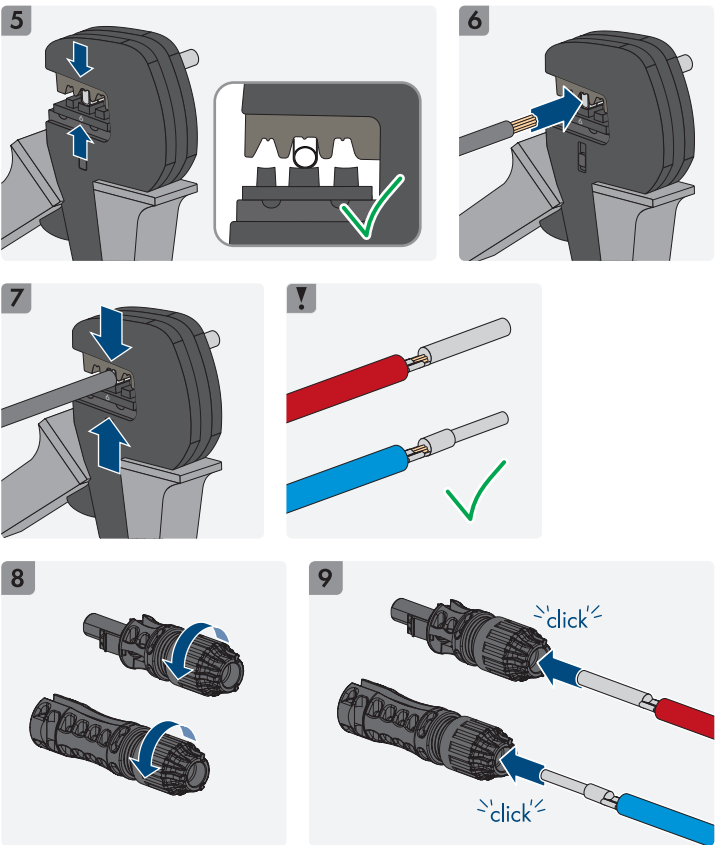
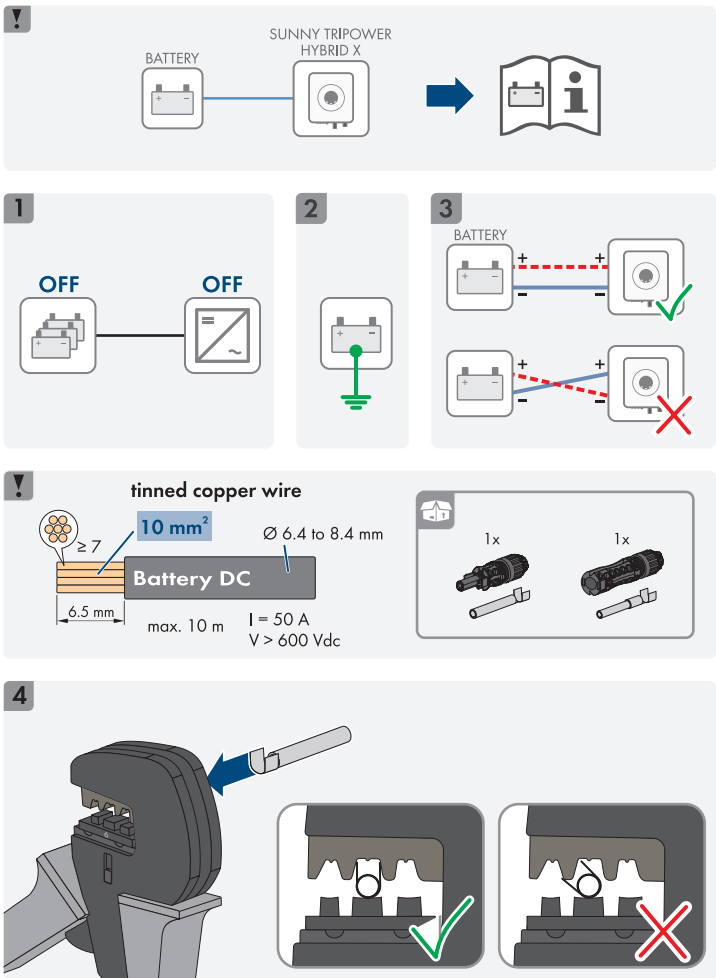


7



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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

AC			
	STPH5-60	STPH6-60	STPH8-60
P _{AC} (@230 V)	5 kW	6 kW	8 kW
S _I (@cos φ = 1, 230 V)	5 kVA	6 kVA	8 kVA
V _{AC, r}	220 V / 230 V / 240 V		
V _{AC, range}	184 V to 264 V		
I _{AC, max}	7,6 A	9,1 A	12,1 A
I _{AC, max} (Backup)	16 A		

	STPH5-60	STPH6-60	STPH8-60
f _{AC}	50 Hz		
cos φ	0.8 overexcited to 0.8 underexcited		
	STPH10-60	STPH12-60	STPH15-60
P _{AC} (@230 V)	10 kW	12 kW	15 kW
S (@cos φ = 1, 230 V)	10 kVA	12 kVA	15 kVA
V _{AC, r}	220 V / 230 V / 240 V		
V _{AC, range}	184 V to 264 V		
I _{AC, max}	15,2 A	18,2 A	22,7 A
I _{AC, max} (Backup)	16 A	22,7 A	22,7 A
f _{AC}	50 Hz		
cos φ	0.8 overexcited to 0.8 underexcited		
DC			
	STPH5-60	STPH6-60	STPH8-60
Max. generator power	7500 Wp	9000 Wp	12000 Wp
V _{DC, max}	1000 V		
V _{DC, MPP}	90 V to 850 V		
V _{DC, Initial input}	100 V		
I _{DC, max} usable input A / B	18 A		
I _{SC} PV max, all inputs	24 A		

	STPH10-60	STPH12-60	STPH15-60
Max. generator power	15000 Wp	18000 Wp	22500 Wp
V _{DC, max}	1000 V		
V _{DC, MPP}	90 V to 850 V		
V _{DC, Initial input}	100 V		
I _{DC, max usable input A / B}	18 A		
I _{SC} PV max, all inputs	24 A		
Battery			
Type	Li-ion battery		
V _{DC, max}	600 V		
V _{DC, min}	80 V		
I _{DC, max}	50 A		