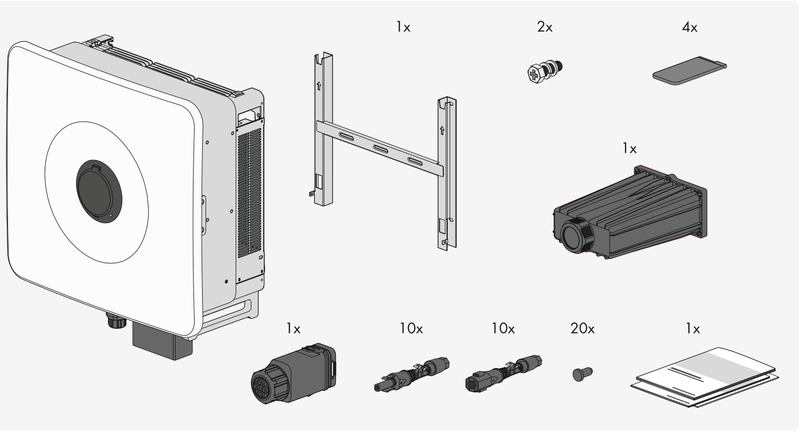
/ STPxx-80-ISP-xx-10 | Version 1.0

SUNNY TRIPOWER X 60

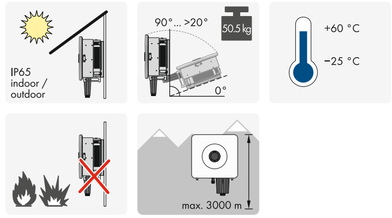
STP 50-80 / STP 60-80

eManual

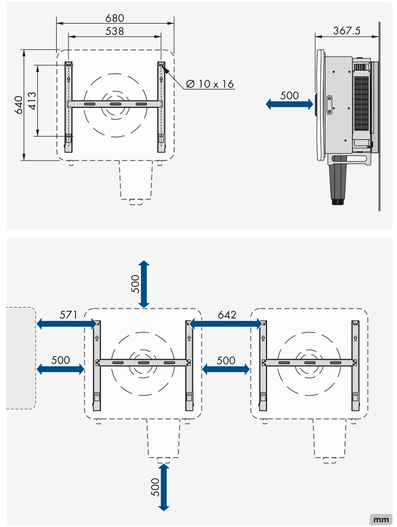
1



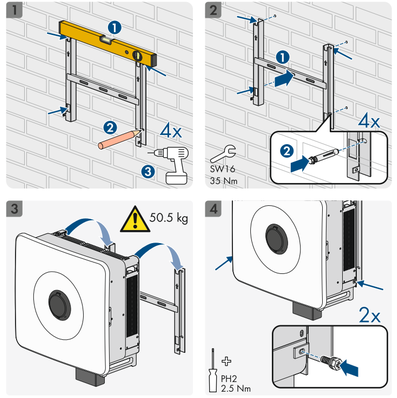
2



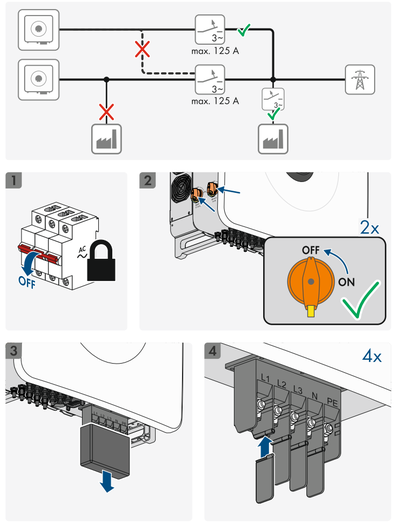
3



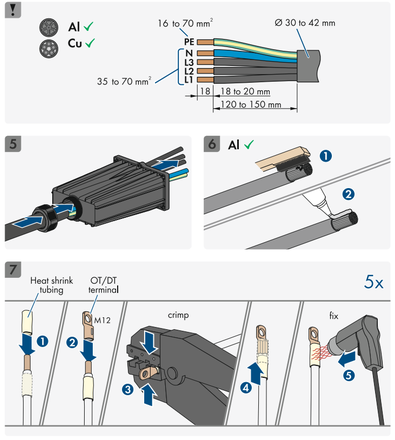
3



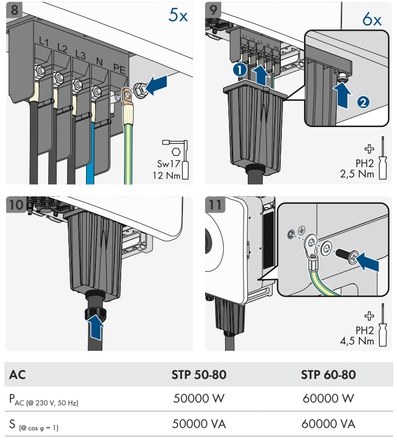
4 AC



4 AC



4 AC

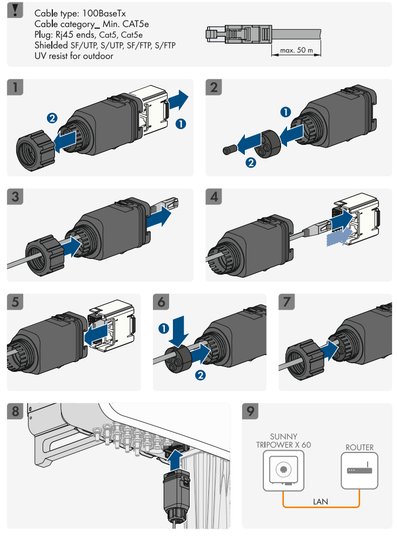


AC	STP 50-80	STP 60-80
$P_{AC\ (@\ 230\ V,\ 50\ Hz)}$	50000 W	60000 W
$S_{(@\ \cos\varphi\ =\ 1)}$	50000 VA	60000 VA
$V_{AC,\ r}$	230 V / 400 V	
$V_{AC,\ range}$	180 V bis 305 V	
I_{AC}	72,5 A	86,6 A

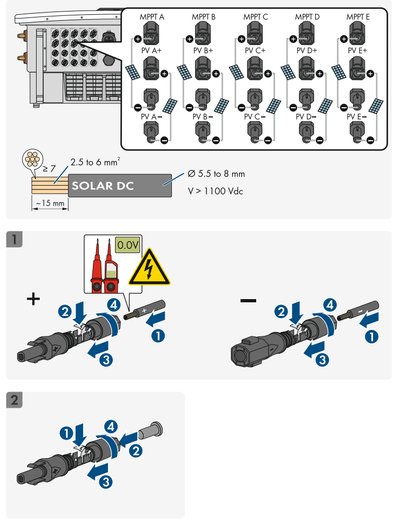
4 AC

AC	STP 50-80	STP 60-80
$I_{AC,\ max}$	79,5 A	95,3 A
f_{AC}	50 Hz / 60 Hz	
cos φ	0.8 overexcited to 0.8 underexcited	

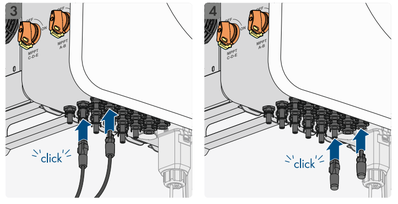
5



6 DC

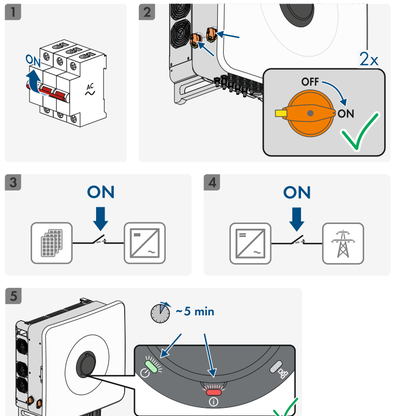


6 DC

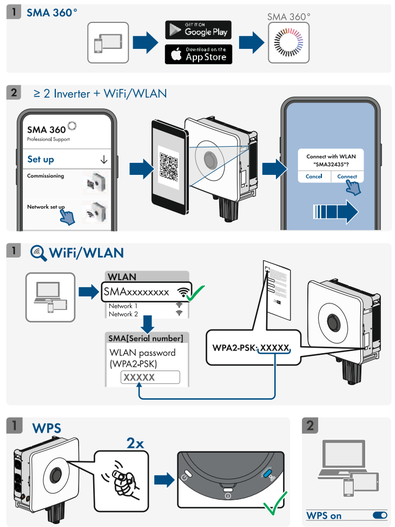


DC	STP 50-80	STP 60-80
Max. generator power	75000 Wp STC	900000 Wp STC
$V_{DC,\ max}$	1100 V	1100 V
$V_{DC,\ MPP\ @40°C}$	500 V to 850 V	
$I_{SC\ PV\ max,\ MPPT}$	50 A	

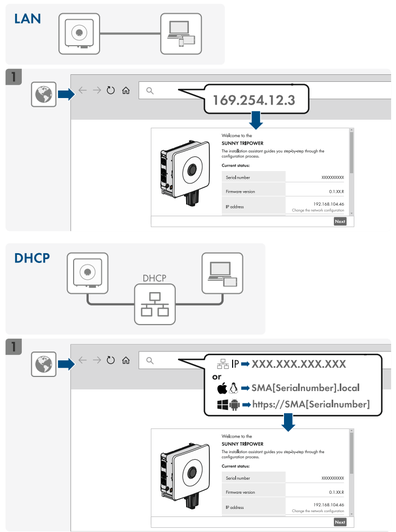
7 ON



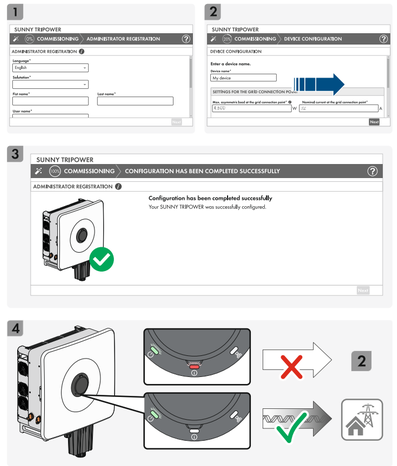
8 WiFi



9 LAN



10



11 System data

Topology	without transformers
Overvoltage category in accordance with IEC 62109-1	II (DC), III (AC)
Protection class in accordance with IEC 62109-1	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
Demand Response Mode per AS/NZ 4777.2	DRM0
Power control/Demand Response (DRED)	Communication via Modbus

12

https://go.sma.de/service