SMA GRID GATE





Reliable

- Complies with the new application rule CEI 0-21:2012-06
- Set up with single-fault tolerance

Flexible

- It is binding for all PV plants in Italy with more than 6 kVA
- Universally applicable

Simple

- With the default settings, no parameterization is needed
- Easy installation due to top-hat rail mounting
- Digital inputs to external control

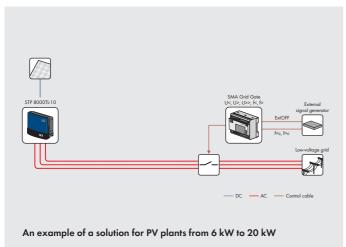
Easy to use

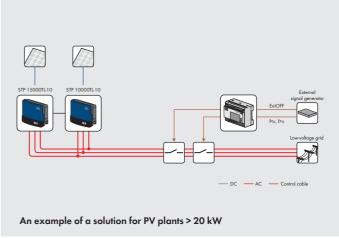
- Informative display
- Display of all current power distribution grid and device data

SMA GRID GATE

CEI 0-21 compliant grid and plant protection for plants starting at 6 kVA

The solution for PV plants starting at 6 kVA on the low-voltage grid: The SMA Grid Gate permits operation of PV plants in compliance with the CEI 0-21 standard. It is compatible with all plant sizes and inverter types provided they offer integrated islanding detection, as all SMA inverters do. In addition, it offers the advantage of easy installation using top-hat rail mounting. The user-friendly display permits convenient menu navigation and provides information on the current grid data or device status, for example. Digital inputs implement remote shutdown and adjustment of frequency limits. Simple and reliable – just what you expect from SMA.





Technical data	SMA Grid Gate
Inputs	
Туре	2 digital inputs / 12 24 V
Connection data (AC)	
Nominal AC voltage	230 V
Nominal AC voltage range	46 V - 300 V
AC power frequency	50 Hz
AC power frequency range	44 Hz - 65 Hz
Control of section switch I _{AC max}	6 A
Control of section switch U _{AC max}	300 V
Connection phases	3
Protective devices	
AC short-circuit current capability	16 A
Protection class (according to IEC 62103)	II
Overvoltage category (according to IEC 664-1)	III
General data	
Dimensions (W / H / D)	100 / 75 / 55 mm (3.93 / 2.95 / 2.16 inch)
Weight	0.2 kg / 0.44 lb
Operating temperature range	-20 °C +50 °C / -4 °F +122 °F
Self-consumption	, 1 W
Degrees of protection (according to IEC 60529)	IP 20
Humidity range (relative humidity, non condensing)	10 % - 90 %
Air pressure range	70 kPa – 106 kPa
Max. operating altitude	3000 m above NN
Climatic category (according to IEC 60721-3-3)	3K5
Measurement accuracy	1 %
Features	
Connection	Screw terminal
Display	Graphic
Operation	Three-button
Warranty: 5 years	Standard features
Certificates and approvals	CE / CEI 0-21
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Version: September 2012	
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