



CONNECTION UNIT 1000-US

CU 1000-US



Easy to use

- Accepts up to 8 string inputs (maximum 4 per MPPT channel)
- Quick and easy mounting

Versatile

- UL listed to 1000 V DC
- Combiner box and disconnect functionality
- 15° to 90° mounting angle range
- Suitable for indoor and outdoor use

Safe

- Integrated reverse polarity indicator supports safe installation
- Touch safe fuse holders

CONNECTION UNIT 1000-US

Simplifying decentralized PV plants

The SMA Connection Unit is designed for use with the Sunny Tripower TL-US series and includes dual combiner box and disconnect functionality in one convenient housing. Fuse holders are provided for all input terminals, as required for string fusing with ungrounded arrays. This unit can be installed next to the inverter or remotely, allowing you to optimize the system design and maximize savings.



Technical data	Connection Unit 1000 V	
Input (DC)		
Max. DC voltage	1000 V	
Number of input source circuits (strings)	8 (4 + 4)	
Input conductor size	#12 to #6 AWG	
Max. fuse size	20 A	
Output (DC)		
Output circuits	2	
Output conductor size	#8 to #2 AWG	
Max. rated continuous current / per output circuit	66 A / 33 A	
Protection devices		
Touchsafe fuse holders	●	
Reverse polarity indicator	●	
Load-break rated output disconnect	●	
General data		
Dimensions (W / H / D) in mm (in)	466 / 398 / 136 (18.4 / 15.7 / 5.4)	
Packing dimensions (W / H / D) in mm (in)	563 / 543 / 240 (22.2 / 21.4 / 9.5)	
Weight	10 kg (22 lbs)	
Packing weight	11 kg (24 lbs)	
Protection rating	NEMA 3R	
Features		
Certificates and permits	UL 1741, CAN/CSA C22.2 107.1-1	
● Standard features ○ Optional features – Not available		
Type designation	CU 1000-US-10	

CONNUNIT DUS14310. SMA and Sunny Tripower are registered trademarks of SMA Solar Technology AG. Fimred on FSC-certified paper. All products and services described as well as technical data are subject to change, even for reasons of country-specific deviations, at any time without notice. SMA assumes no liability for errors or omissions. For current information, see www.SMA-Solar.com.