



# SUNWAY STRING BOX LT

[www.santerno.com](http://www.santerno.com)

**SB-24-LT10-1500V II**  
**1500 V**  
**24 INPUTS**

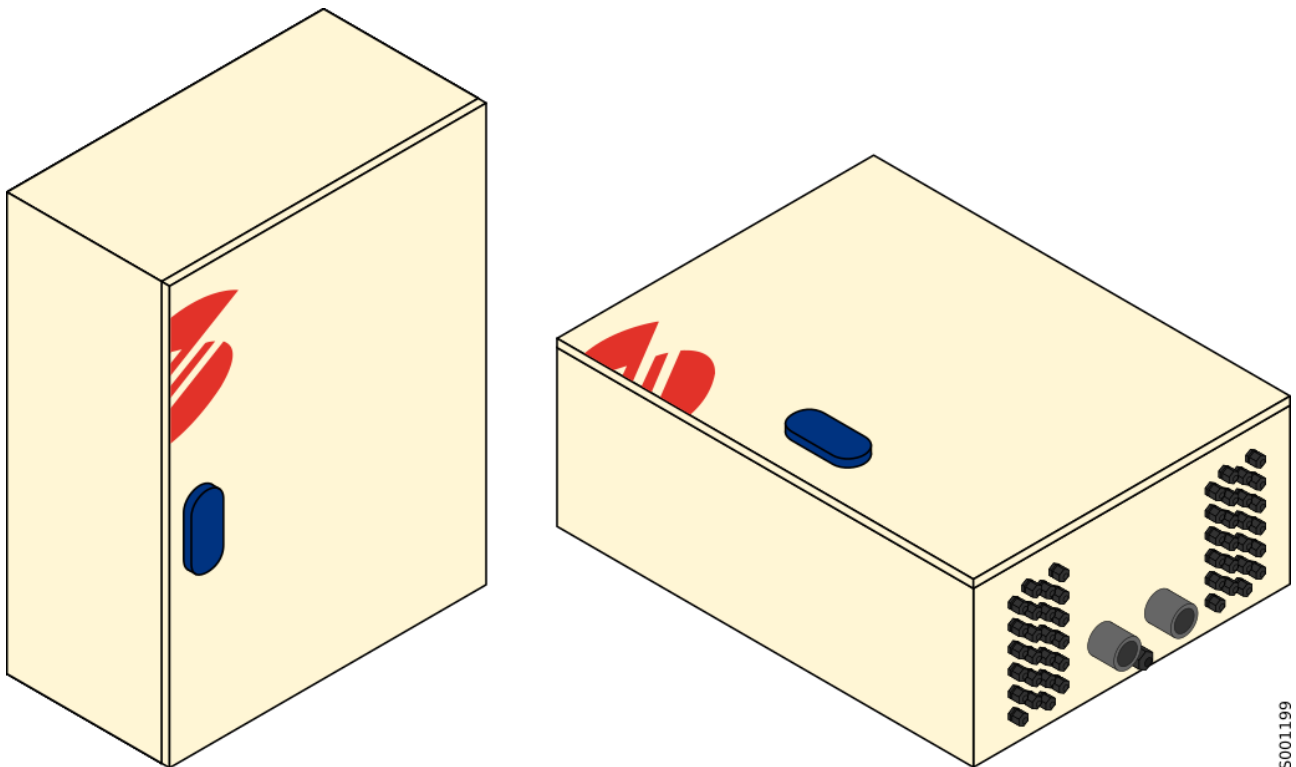
The STRING BOX LT series are combiner boxes for PV strings featuring protection fuses on both poles.

Designed in Italy by the engineers of Elettronica Santerno S.p.A., they feature top-class reliability, ease of installation and maintainability.

## KEY FEATURES

The main integrated standard functions of STRING BOX LT SB-24-LT10-1500V II are listed below:

- Up to 24 input strings
- Short-circuit protection by fuses on both poles
- Protective class II
- Load break switch
- Polyester flameproof and UV ray-resistant box
- Lockable enclosure
- Ingress protection degree IP66
- Suitable both for floating and earthed PV configuration
- Thorough manufacturing with first class materials



## TECHNICAL DATA

Input ratings		
Number of string inputs	24	
Maximum voltage	1500 V	
Fuse rating <sup>(NOTE 1)</sup>	Up to 25 A	
	20 A fuses	25 A fuses
Maximum current per string	14.5 A	16 A
Fitting type <sup>(NOTE 2)</sup>	Cable glands	
Cable outer diameter	4.5 ÷ 10.0 mm	
Cable cross-section	4 ÷ 10 mm <sup>2</sup>	
Output ratings		
	35 °C	45 °C
Rated current (25 A fuses)	360 A	315 A
Rated current (20 A fuses)	325 A	285 A
Cables per pole	1	
Cable outer diameter	46 mm	
Cable cross-section	-	
Fitting type	Conduit fitting (54 mm)	
Grounding cable cross-section	35 mm <sup>2</sup>	
Dimensions and weight		
Dimensions (width, height, depth)	635x928x314 mm	
Weight	42 kg	
Other features		
String current measure	No	
Short-circuit protection (fuses)	On both poles	
Protective class	II	
Load break switch	Yes	
Load break switch status	Not available	
DC over-voltage protection (SPDs)	Yes (Type II)	
SPDs status	Not available	
Ingress protection degree	IP66 (IP20 while door open)	

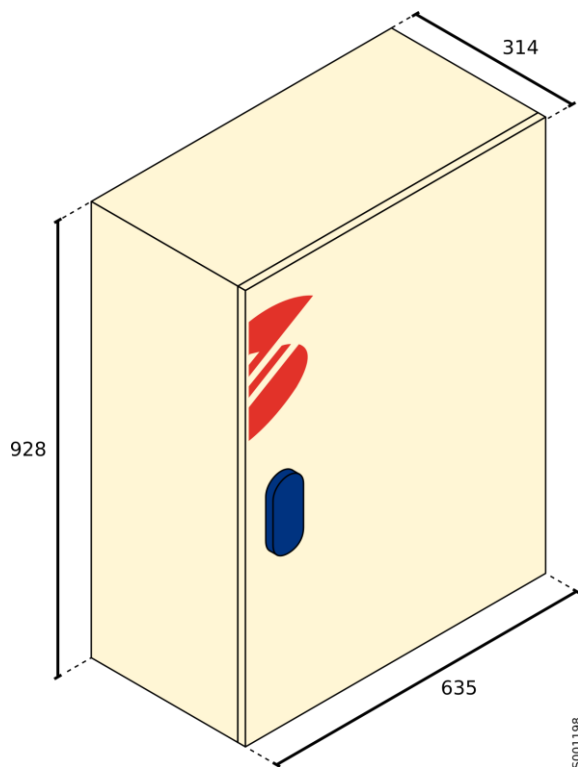
Lockable enclosure

Yes

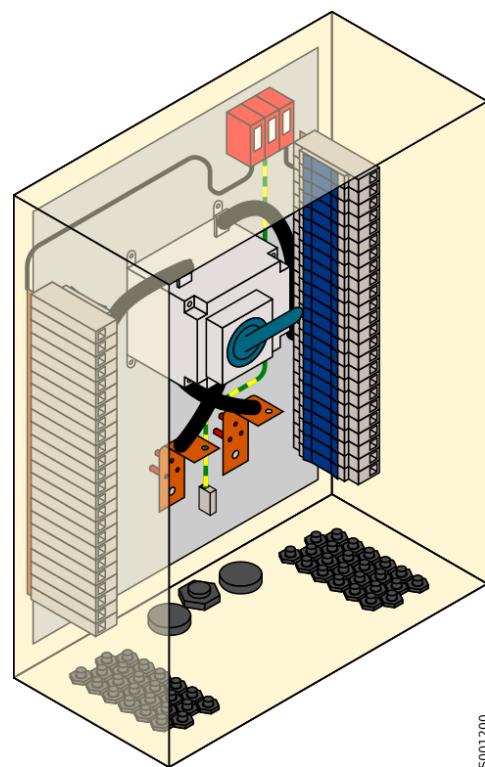
**NOTE 1** Fuses to be ordered and shipped separately. Fuse rating to be defined based on PV modules and ambient specifications. Rated output current may also vary with fuse rating.

**NOTE 2** Quick coupling connector-versions do not include external mating connectors (string-side). Always use mating connectors of the same brand as the connectors installed on the string box. The use of other connectors may damage the product.

## DRAWINGS



5001198



5001200



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Enertronica Santerno  
P.I. 05151831210  
Via della Concia 7 - 40023 Castel Guelfo - Italy



+39 0542 489711



info@santerno.com

[www.santerno.com](http://www.santerno.com)