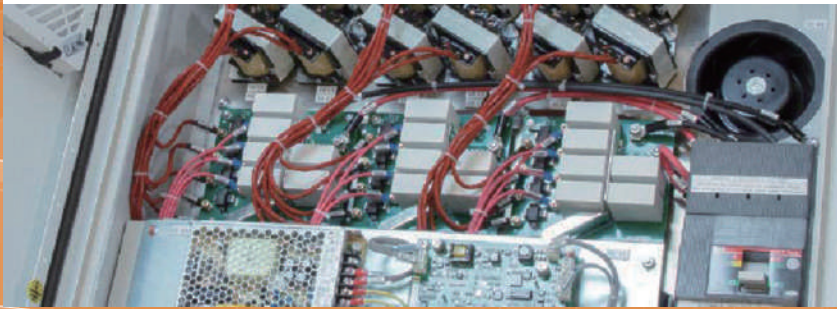
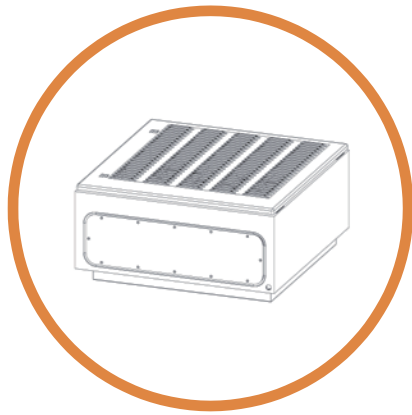


MPPT STRING BOOST SERIES



ENHANCE YOUR
PV POWER OUTPUT

EEl MPPT String Boost Series for a flexible and modular solar integration

Multiple factors can limit the performance of a photovoltaic system:

- Shade
- Dirt
- Different temperature
- Mismatching and panel aging
- Damaged panels
- Current inversion on low voltage strings

MPPT String Boost is a DC/DC converter which implements evolved Maximum Power Point Tracking MPPT, capable of optimizing the power produced by each string.

One-of-a-kind on the market, the EEl MPPT BOOST operates on string and not module level.

This feature makes it easy to install, cost-effective and efficient.

In traditional system, the different behavior of the strings forces the inverter to work on a point of the V-I curve which optimizes only some of the strings. Each single string would need to be optimized to collect all the energy.

MPPT String Boost can collect this energy and make it available to the centralized inverter.

- Different string length and slope can be used in the same plant
- Improve output for unbalanced and aged strings
- Detect and monitor the health of PV strings

MPPT String Boost is available in eight and sixteen inputs models, supplied in a kind of “Active Combiner Box”. The monitoring functionalities are integrated. All the information about the string’s behavior will be available on the Operator Panel.

Other advantages:

- Reduction of cables size
- Higher efficiency between boosters and inverters
- Working point monitoring function
- Different panel technology can be used in the same plant

	EEl MPPT 200kW	EEl MPPT 100kW
PV INPUT PARAMETERS		
N° of inputs	16	8
N° of MPPT	8	4
Voltage range	450-750V	450-750V
Max Current per input	20 A	20 A
OUT PARAMETERS		
N° of output	2	2
Rated output voltage	750 V	750 V
Disconnectin device	DC switch 1000V	DC switch 1000V
EFFICIENCY		
Maximum	>99%	>99%
GENERAL DATA		
Dimensions (W / H / D)	1300x550x260 mm	1300x550x260 mm
Weight	80 KG	70 KG
Operating temperature range	-10°C- +50°C	-10°C- +50°C
Cooling	Natural Cooling	Natural Cooling
Power supply	Self-powered	Self-powered
Protection degree	IP 54	IP 54
Communication	RS485- WIFI(optional)	RS485- WIFI(optional)
PROTECTIONS		
Input protection	Fuse on both positive and negative	Fuse on both positive and negative
Output protection	SPD	SPD