Breakerless Low Voltage Combiner & Surge Protection Unit

The Microcare Breakerless Low Voltage Combiner & Surge Protection Unit is a critical component of any PV Solar installation providing functions such as safety and surge protection for your system. With fusing and short circuit protection the PV modules and components can operate optimally with lightning protection included. Combining multiple series strings from the PV modules the unit allows for a single parallel connection to the MPPT charge controller.

- Available for combining 1 to 6 Series PV Strings into 1 Output
- Surge / Lightning Protection
- Fuse Protection
- Easily connect PV arrays to solar equipment
- IP65 container

LV Specifications	1 String	2 String	3 String	4 String	5 String	6 String
No. of String Inputs	1	2	3	4	5	6
Max PV Input	135 Voc at 25ºC					
Max Input Current	10A per series string					
Fuse Rating	15A Ceramic					
Input Cable Size	Max 6mm²					
Output Cable Size	6mm²	6mm²	6mm²	10mm²	10mm²	10mm²
Input Connection	6mm Gland Input					
Output Connection	Rail Mounted Terminals					
Dimensions in mm (HxWxD)	210 x 140 x 100	260 x 300 x 130	260 x 300 x 130	280 x 410 x 130	280 x 410 x 130	420 x 300 x 130
Weight	1kg	2kg	3kg	4kg	4.5kg	5kg
Surge Protection	MOV Type 1					

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