

Low Voltage Combiner & Surge Protection Unit

The Microcare 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. The unit offers isolation between the DC voltages that are generated by the PV modules and the solar installation allowing for safety while working or maintaining the 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 Parallel Output
- Surge / Lightning Protection
- Isolation of PV DC voltages
- Fuse Protection
- Easy MC4 cable connectors
- Easily connect PV arrays to solar equipment

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 25°C					
Max Input Current	10A per series string					
Fuse Rating	32A Ceramic					
Input Cable Size	6mm ²					
Output Cable Size	6mm ²	6mm ²	10mm ²	16mm ²	25mm ²	25mm ²
Input Connection	MC4					
Output Connection	Rail Mounted Terminals					
Dimensions in mm (HxWxD)	210 x 140 x 100	210 x 210 x 100	260 x 300 x 130	280 x 410 x 130	420 x 300 x 130	420 x 300 x 130
Weight	1kg	2kg	3kg	4kg	4.5kg	5kg