



PV STRING

COMBINER BOX



SHIELD

TECHNICAL DATA SHEET

APPLICATIONS



RESIDENTIAL



COMMERCIAL



AGRICULTURAL

ADVANTAGES

ENHANCED PROTECTION

Provides reliable multi-stage protection against voltage surges and overcurrent conditions.

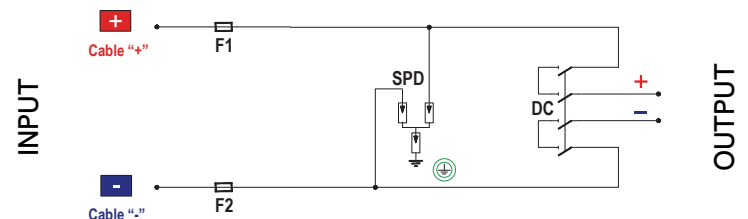
HIGHER RESISTANCE

Engineered with a high-durability UV-protected plastic enclosure and flame-retardant technology to prevent dripping.

EASIER INSTALLATION

Designed for fast installation with a wallmount enclosure, integrated grounding terminals, and included accessories.

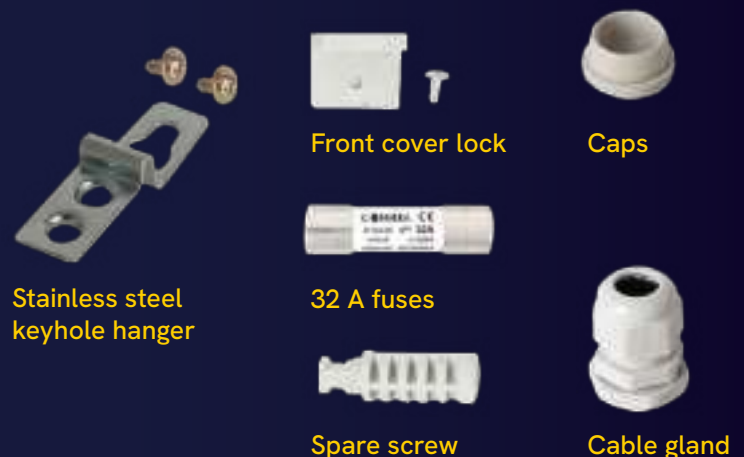
STRING CONNECTION DIAGRAM



KEY COMPONENTS

- UV-resistant thermoplastic enclosure with flame-retardant construction designed to help prevent dripping in the event of fire.
- Grounding terminal (internal).
- Touch-safe fuse holder, includes two 25 A fuses and two or four 32 A fuses (depending on model).
- Three-pole surge protection device (SPD) for positive, negative, and ground, rated at $I_{max} = 40 \text{ kA}$, $I_n = 20 \text{ kA}$, and $U_p = 2.6 / 4 / 5.2 \text{ kV}$ depending on model.
- Integrated four-pole DC disconnect switch rated at $I_e = 32 \text{ A}$.

ACCESSORIES INCLUDED



PERFORMANCE

Model	SHIELD-SB1/1-600	SHIELD-SB2/2-600	SHIELD-SB1/1-1000	SHIELD-SB2/2-1000	SHIELD-SB1/1-1500	SHIELD-SB2/2-1500
GTIN-13 (e-commerce code)	7503058094821	7503058094838	7503058094845	7503058094852	7503058094869	7503058094876
ELECTRICAL SPECIFICATIONS						
Maximum input voltage (V~)	600		1 000		1 500	
Maximum input current (A)	32					
Number of input strings	1	2	1	2	1	2
Number of outputs						
Number of poles (disconnect)	4					
Disconnect switch current (A)	32					
SPD number of poles	3					
Nominal discharge current (kA)	20					
Maximum discharge current (kA)	40					
Enclosure nominal insulation voltage (V~)	1 500					
Enclosure protection class	I					
OPERATING CONDITIONS						
Ambient temperature (°F)	-4 ~ 158					
Mounting type	Wall					
Installation type	Indoor / Outdoor					
MECHANICAL SPECIFICATIONS						
Impact resistance level	Ik08					
Rail type	35 mm DIN rail					
Degree of protection	IP65					
Flame retardant	Yes					
ENCLOSURE SPECIFICATIONS						
Material	ABS + PC					
Cover	PC					

DIMENSIONS & WEIGHT

MODEL	DIMENSIONS (in)			WEIGHT (lb)
	LENGTH	WIDTH	HEIGHT	
SHIELD-SB1/1-600	9.1	4.5	8.3	3.7
SHIELD-SB1/1-1000				
SHIELD-SB1/1-1500				
SHIELD-SB2/2-600	11.9	5.7	17.4	9.2
SHIELD-SB2/2-1000				
SHIELD-SB2/2-1500				