SR20D-M

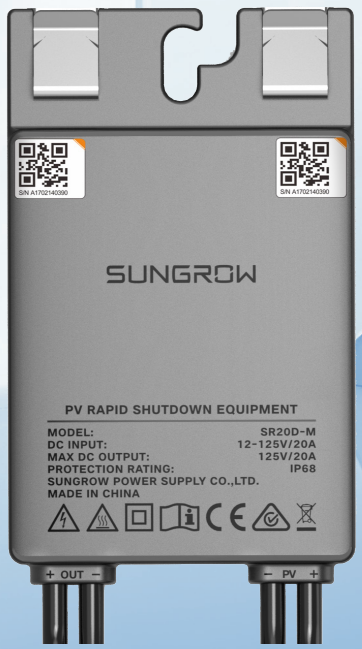
Rapid Shutdown

SAFE AND RELIABLE

- 20s Rapid shutdown, 10s pre-protection preventing risk
- Patented FHC bypass technology, loss reducing, overheat preventing
- 450 m bi-directional PLC communication, flexible in various scenarios

EASY TO INSTALL

- 20 A high current, compatible with diverse PV panels
- Quick-plug installation, saving installation time
- No dismantling of PV module for maintenance, lower O&M costs



Type designation	SR20D-M
Electrical	
Input channels / Number of PV modules	1 / 2
Input voltage range per channel	12 V – 125 V
Output voltage range	12 V – 125 V
Max.PV input current per channel	20 A
Max.DC short-circuit current per channel (Isc)	30 A
Max. system voltage	1100 V
Safety output voltage	1 V
Power consumption	< 1 W
Mechanical	
PV input / output connector	Stäubli MC4 / MC4 compatible (Optional)
Mouting method	Snap-fit or bolt installation
PV input wire length	1.4 m (+ / -)
PV output wire length	0.2 m (+) / 2.95 m (-)
Dimensions (W * H * D)	86 mm * 143 mm * 27 mm
Weight (including cables)	0.9 kg
Environmental & Protection	
Operating ambient temperature range	-40 ℃ – 85 ℃
Allowable relative humidity range (non-condensing)	0 % – 100 %
Degree of protection	IP68
Communication	PLC (≤ 450 m)
Compliance	
Standard compliance *	IEC/EN 62109-1 (class II safety), IEC/EN 61000-6-1/-2/-3/-4
Enclosure material rating	UL94 V-0
Compatibility	
Compatible products	SG25 / 30 / 33 / 36 / 40 / 50CX-P2 SG125CX-P2 SG150CX

* The product SR20D-M is in compliance with the rapid shut down requirements of referenced standards in UL3741 & UL1741