

Smart Rapid Shutdown Device



Rapid And Safe Shutdown

Reduce the DC high voltage of the PV module array to below safe voltage within **15s***



Self-Developed ASIC

Define the Smart Rapid Shutdown Device at the chip level.



Module Operation Status Monitor

Real-time monitor the operational status of PV modules.



Accurate Fault Location

Rapid diagnose to pinpoint faulty PV modules and prevent the risk of failure by anticipating in advance.

Datasheet

Smart Rapid Shutdown Device			
Product Model	SL-MRSD-E-T1US	SL-MRSD-H-T1US	SL-MRSD-F-T1US
INPUT			
Maximum Input Voltage Per Channel	80V	80V	80V
Maximum Input Current	15A	18A	20A
Maximum Short-Circuit Current	18.5A	22.5A	25A
OUTPUT			
Maximum Output Voltage	80V	80V	80V
Maximum Output Current	15A	18A	20A
Bypass	Yes	Yes	Yes
Output Shutdown Voltage	0V	0V	0V
COMMUNICATION			
Communication	HPLC		
CERTIFICATION			
Safety	UL1741 UL3741 CSA C22.2 No.330-23 NEC-2017&2020&2023(690.12)		
EMC	FCC:47CFR Part15B ICES-003:2020		
GENERAL PARAMETERS			
Number Of Input/Output Ports	1/1		
Dimension	145mm(L)x51mm(W)x26mm(H)		
Weight	460g		
Shutdown Time	<15s		
Operating Altitude	4000M		
Input Interface	MC4 Compatible/ MC4 Orignal		
Output Interface	MC4 Compatible/ MC4 Orignal		
Cable Length	PVIN 750mm PVOUT 2700mm/Customizable		
Temperature Range	-40~85℃		
Relative Humidity Range	0~100%		
Ingress Protection Rating	IP68		
Maximum System Voltage	1500V		

* The data in the above pages are theoretical values, which are obtained from the internal laboratory under specific test conditions. Actual use may vary slightly due to individual product differences, software versions, use conditions and environmental factors. Please refer to the actual situation in use.