

Raising the bar in innovative
DC MLPE solar power systems

RSD-D

- Meets NEC 2017 & 2020 (690.12) requirements
- Executes rapid shutdown of system when Transmitter-PLC signal is absent
- Meets SunSpec requirements
- Dual-input channel

RSD-D Technical Data

Model

RSD-D

Input Data (DC)

Input operating Voltage Range	8-80V Per Channel
Maximum Cont. Input Current (Imax)	15A Per Channel

Output Data (DC)

Output operating Voltage Range	16-160V
Maximum Output Current	15A
Maximum System Voltage	1000V/1500V

Mechanical Data

Operating Ambient Temperature Range	-40 °F to +167 °F (-40 °C to + 75 °C)
Dimensions (without cable & connectors)	5.5" x 2" x 0.8"(140 mm x 50.6 mm x 20 mm)
Cable Length	Input 500mm/Output 2200mm
Cable Cross Section Size	TUV:4mm ² /UL:12AWG
Connector	MC4 or Customize
Enclosure Rating	NEMA Type 6P/IP68
Over temperature protection	Yes

Features & Compliance

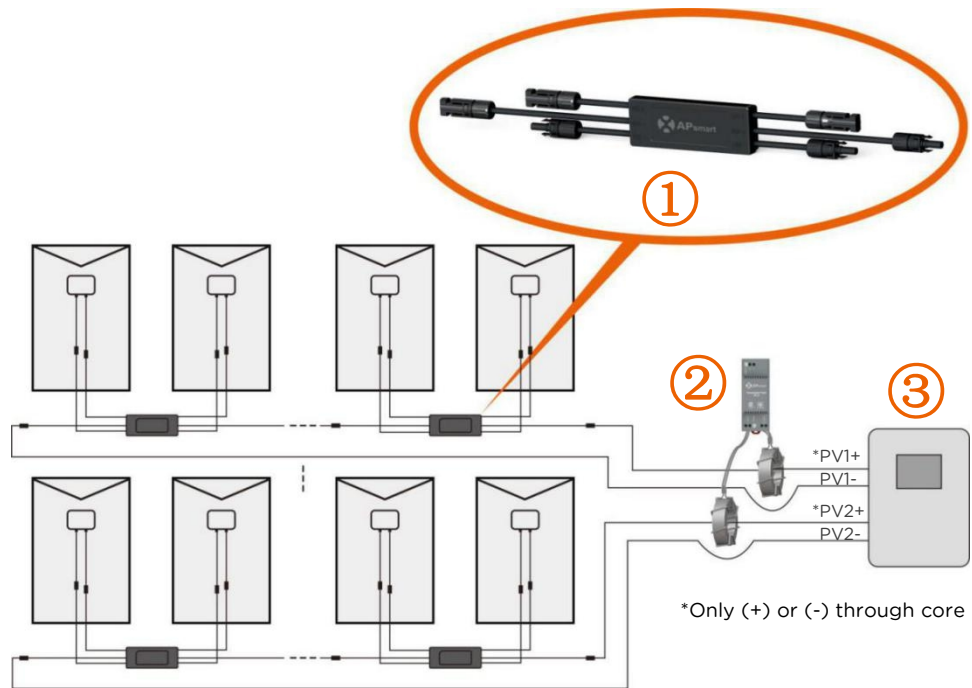
Communication Compliance	PLC
Safety Compliance	NEC 2017 & 2020 (690.12); UL1741; CSA C22.2 No. 330-17; IEC/EN62109-1
EMC Compliance	FCC Part15; ICES-003

RSD-D meets SunSpec requirements, maintaining normal function by continually receiving a heartbeat signal from the APsmart Transmitter. The RSD-D executes rapid system shutdown when the Transmitter signal is absent. Users can manually execute rapid shutdown using Transmitter breaker switch.

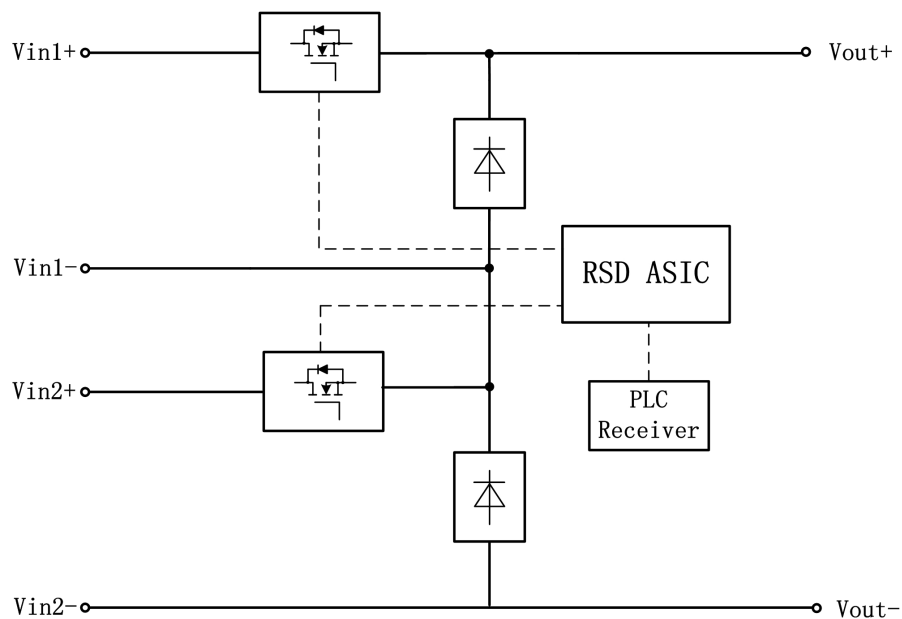
RSD-D Wiring Diagram

- ① RSD-D
- ② Transmitter-PLC
- ③ Inverter*

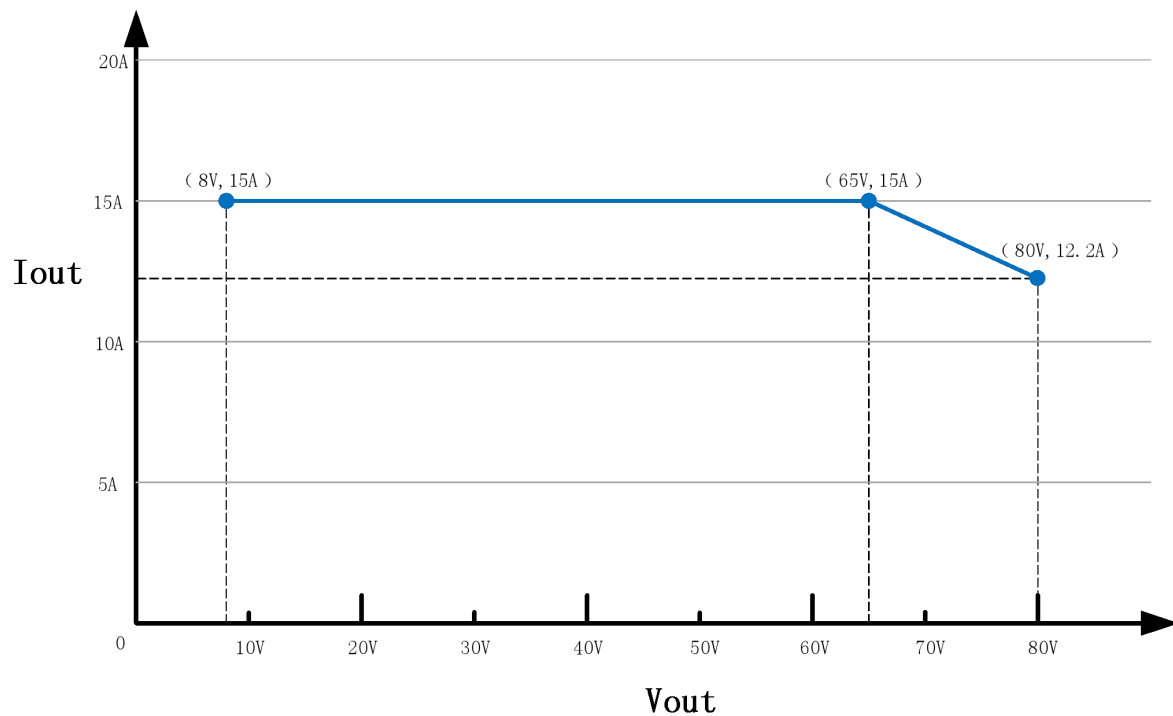
*If the inverter includes an integrated SunSpec-certified Rapid Shutdown Transmitter, remove the external transmitter-PLC in the wiring diagram.



Working Schematic Diagram



I-V Curve



ORDERING INFORMATION

426101	1500V UL/1000V TUV, 2.2m cable, MC4
4261xx*	2.2m cable, Customize connector

*please see the RSD Series Ordering Information