



Areswatt New Energy

60V Series

AW-PVRS-A1

AW-PVRS-B1

AW-PVRS-C1

120V Series

AW-PVRS-A2

AW-PVRS-B2

AW-PVRS-C2



Rapid Shutdown Device



Shutdown Controller

Smart Photovoltaic Rapid Shutdown System

Product features



Safety Protection

Equipped with multiple safety protection mechanisms and an IP68 protection rating, enabling stable operation in harsh environments. The product has passed multiple international safety certifications including ABNT NBR, NEC, UL, and IEC, ensuring system operational reliability and safety.



Fault Early Warning

Features an intelligent fault diagnosis capability that can promptly detect potential issues in photovoltaic components and issue warning signals. Rapid shutdown response time is less than 30 seconds, enabling quick circuit disconnection in emergencies to protect personnel and equipment safety.



Easy Connectivity

Adopts modular design, supporting two voltage series of 12-60V and 12-120V to meet the requirements of photovoltaic systems with different power levels. Compact structure with easy installation, reducing construction complexity and maintenance costs.



Intelligent Control

Intelligent control unit with remote shutdown control capability. Operating temperature range from -40°C to $+85^{\circ}\text{C}$, adapting to various climatic environments. It supports the HPLC communication protocol to ensure the stability and reliability of the product's functions.



Model	PVRS60-A1	PVRS60-B1	PVRS60-C1	PVRS120-A2	PVRS120-B2	PVRS120-C2
Input Parameters						
Voltage Range	12-60V			12-120V		
Maximum Input Current	15A	20A	25A	15A	20A	25A
PV Input Module Quantity	1			2		
Maximum Short-Circuit Current	30A					
Output Parameters						
Voltage Range	12-60V			12-120V		
Maximum System Voltage	1000/1500Vdc					
Maximum Output Current	15A	20A	25A	15A	20A	25A
Structural Parameters						
Dimensions (WDH)	108x108x26mm					
Protection Level	IP68					
Environmental Parameters						
Temperature Range	-40℃ ~ +85℃					
Relative Humidity	<85%					
Other Parameters						
Communication Protocol	HPLC					
Rapid Shutdown Time	<30s					
Certification						
Safety	ABNT NBR 17193:2025, NEC 2017&2020(690.12), UL 1741, UL 3741, IEC 62109-1					
EMC	FCC Part15, IEC/EN 61000-6-1/-2/-3/-4					



Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.