ARESWATT

Areswatt New Energy

AW-SODA2

AW-SODB2

AW-SODC2

Smart Rapid Shutdown Device

Product features

Maximized Efficiency

Precise module-level monitoring and remote fault diagnosis effectively reduces O&M, labor, material, and energy costs. Remotely shut down faulty modules to reduce power generation losses, improving O&M efficiency by more than 50%.

Intelligent Management

Module-level monitoring and management, real-time viewing of voltage, current, power, electricity generation, and temperature data for each module. Creates a 1:1 virtual power station to quickly locate module positions, supports dynamic display of operational data and full life cycle monitoring.

High Adaptability

Compatible with both bolt and clip installation methods, installation completed in just 30 seconds. Maximum communication distance of 800 meters, adaptable to various types of installation environments.

Safety

Made with the highest V-0 flame retardant materials, compliant with US UL94 standards. Supports multiple shutdown methods: on-site manual shutdown, high temperature auto shutdown, and cloud platform remote shutdown, achieving safe voltage within 30 seconds, fully compliant with NEC 2017&2020(690.12) regulations.

Reliability

Compliant with multiple international standards including UL 1741, UL 3741, IEC 62109-1, IEC 61000, with IP68 protection rating, operating temperature range of -40°C to +85°C, relative humidity 0~100%, ensuring stable operation in various harsh environments.

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Technical Parameters

Model	AW-SODA2	AW-SODB2	AW-SODC2
Input Parameters			
Voltage Range	8-80V Single-channel, 120V Dual-channel		
Maximum Input Current	15A	20A	25A
Maximum Short-Circuit Current	30A		
Output Parameters			
Voltage Range	8-120V		
Maximum System Voltage	600/1000/1500V		
Maximum Output Current	15A	20A	25A
Maximum Voltage in Disconnect State	1V		
Structure Parameters			
Dimensions (W*D*H)	180*23*70mm		
Input/Output Connectors	MC4/Compatible with MC4/Customizable		
Input Cable Length	0.6m/1.5m/Customizable		
Output Cable Length	1.4m/Customizable		
Ingress Protection Rating	Type 6P/IP68		
Environment Parameters			
Temperature Range	-40°C~+85°C		
Relative Humidity Range	0~100%		
Other Parameters			
Communication Method	HPLC		
User Interface	WEB+APP		
Certification			
Safety	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.