Product Parameters

Model	AMCL-A2	AMCL-B2	AMCL-C2
Input Parameters			
Voltage range	8-80V Single-channel, 120V Dual-channel		
Maximum Rated Current	15A	20A	25A
Maximum Short-Circuit Current	30A		
Output Parameters			
Voltage Range	8-120V		
Maximum System Voltage	600/1000/1500V		
Maximum Rated 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/customizable		
Output Cable Length	1.4m/customizable		
Ingress Protection Rating	Type 6P/IP68		
Environment Parameters			
Temperature Range	-40℃~+85℃		
Relative Humidity Range	0~100%		
Other Parameters			
Communication Method	HPLC		
User Interface	WEB+APP		
Certification			
Safety	NEC 2017&2020(690.12), UL1741, UL 3741, IEC 62109-1		
EMC	FCC Part15, IEC/EN 61000-6-1/-2/-3/-4		

Product Function

	Features	AndSolar Smart RSD	Traditional RSD
Basic Functions	Module-level Rapid Shutdown	√	√
	Active Fire Protection System	√*	×
	Max. Input Current	25A	15A
	Max. PV Module Power Rating	700W+	<600W
	Max. Communication Distance	800m	300m
	Installation Method	Multiple options	Single option
**Data Monitoring **	Monitoring Level	Module-level	Transmitter-level
	Module-level Data Monitoring	√	×
	Graphical Data Display	√	×
	Output Curve Analysis	√	×
	Fault Alert	√	×
	Faulty Module/Accessories Positioning	√	×
	Shutdown Methods	On-Site/ Remote Shutdown Auto Shutdown	On-Site
Smart Applications ***	Remote Upgrade (OTA)	√	×
	Module Smart Positioning	√	×
	Module-level Management	√	×
	PV System Losses Analysis	√	×
	PV System Troubleshooting	√	×
	O&M Strategy Recommendation	√	×
	Full PV Asset Lifecycle Management	√	×

* Auto shutdown when abnormal temperature detected, future OTA would enable Arc Fault Circuit Interrupter(AFCI) feature, allowing multi-dimensional protection
** These features are only available to Smart RSD with monitoring function
*** These features are only available to Smart RSD with monitoring function, part of these features would be enabled through future OTA updates
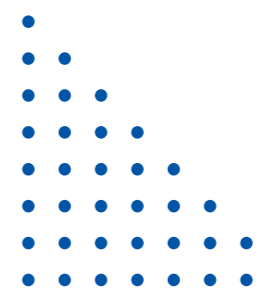
AndSolar
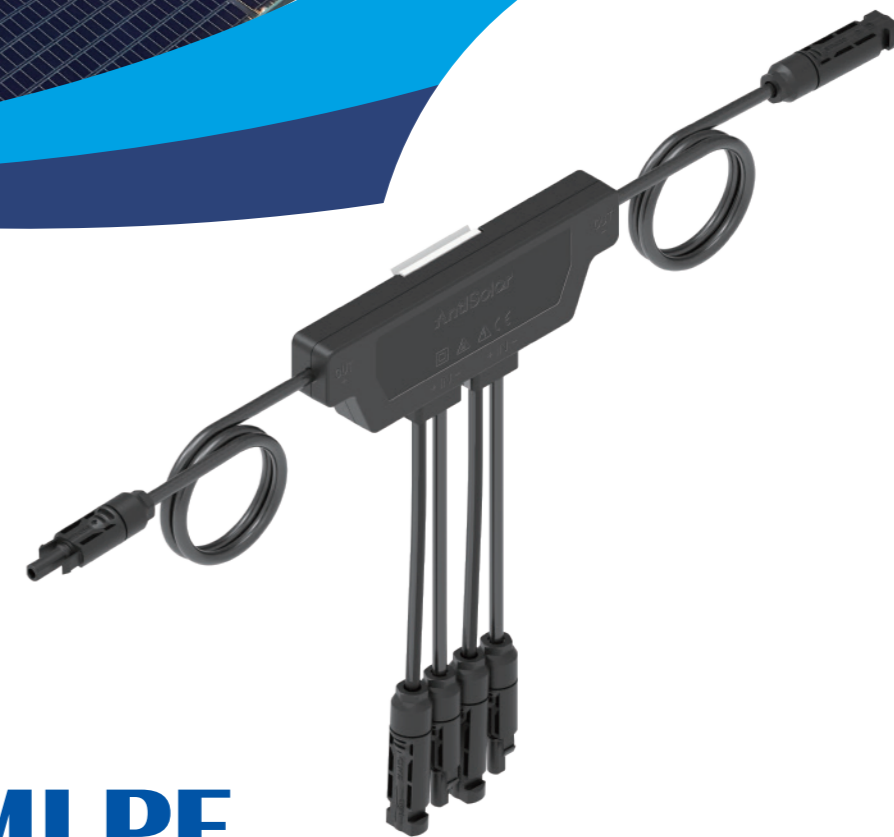
MLPE
SMART RSD
Smart Rapid Shutdown Device

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Product Features
Smart Rapid Shutdown Device

And Safe
- Active protection system to prevent fire accident
- Compliance with NEC 2017&2020(690.12) requirements

And Smart
- Module-level monitoring, supports remote fault diagnosis, reduces O&M cost
- Module-level management, supports remote control, reduces power generation losses

And Flexible
- Max. communication distance 800m, meeting various type of constructions
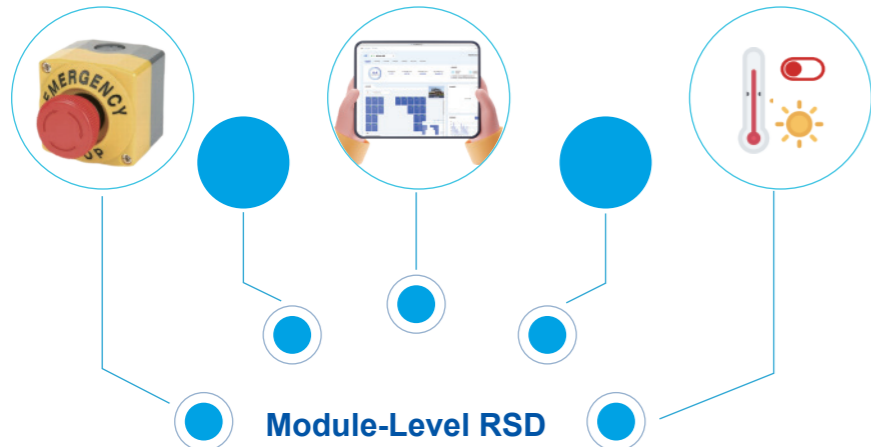- Flexible installation, with clip or bolt installation methods available

And Reliable
- Meet UL 1741, UL 3741, IEC 62109-1, IEC 61000 standard and IP68 protection level
- Long warranty enhances investment returns

AND SAFE

1000V

Below 80V

Various Shutdown Methods

On-site manual shutdown   APP Remote Shutdown   High Temperature Auto Shutdown

EMERGENCY STOP

Module-Level RSD

AND SMART

O&M Schedule
Centralized O&M for minor faults

Cloud Platform Remote Operation
Remote monitoring and shutdown

AndSolar Cloud

Module Lvl Monitoring
Easy to locate faulty module

Remote OTA firmware upgrade
Continuous increase in investment
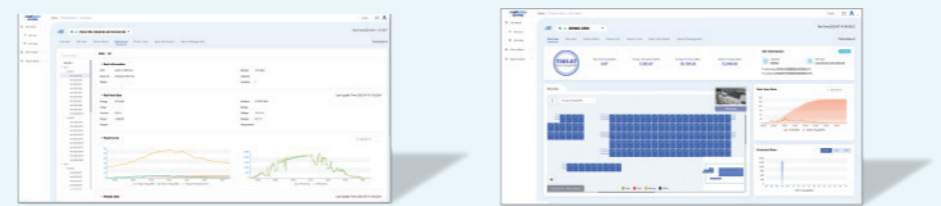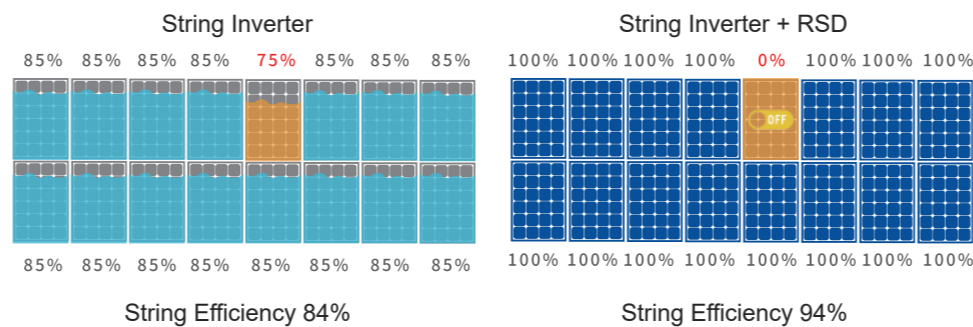
Module-level Monitoring
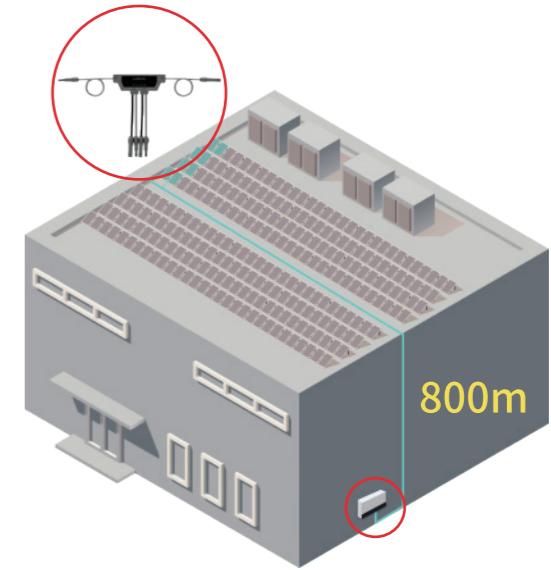
Module-level comprehensive monitoring, which display real time voltage, current, temperature, power, etc.

Module-level Management

String Inverter							
85%	85%	85%	85%	75%	85%	85%	85%

85%	85%	85%	85%	85%	85%	85%	85%

String Efficiency 84%

String Inverter + RSD							
100%	100%	100%	100%	0%	100%	100%	100%

100%	100%	100%	100%	100%	100%	100%	100%

String Efficiency 94%

AND FLEXIBLE

800m

Max. Communication Distance from RSD to Transmitter

Flexible Installation

Bolt Installation   **Clip Installation**

AND RELIABLE