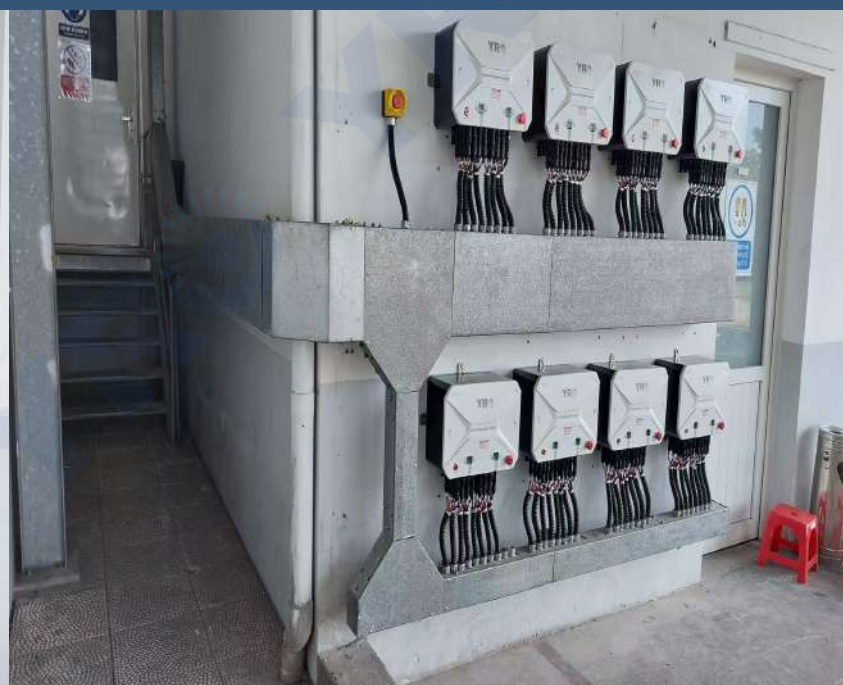


YRO RSD used in 1 MW Solar Project in iloilo, Philippines



YRO RSD used in 0.8 MW Solar Project in Vietnam





The future is even more exciting and is already here.

The third relocation upgrade
10000m² 100 employees

2024

2023/11

Achieve cETLus Certification based on UL1741 standard in Nov 2023.



The second relocation upgrade 2022
3000m² 50 employees

2022

2023/3

Achieve KEMA Certification For 6kA&10kA AC MCB in March, 2023.

2021

Achieve TÜV certificates for DC isolator switch, DC fuse, DC SPD etc in 2011.

2020

2019

Achieve first TÜV Certification DC MCB 6-63A 1200V 6kA in 2020

The first relocation upgrade 2019
1200m² 30 employees



built up brand 2017 YR

2017

Establish 2011
600m² 9 workers

2011



SINCE 2011

YR is a new energy company was founded in 2011 and specialized in solar electrical protection, energy storage, EV charger etc.

YRSD-A SERIES

String Level Rapid Shutdown
(Firefighter Switch 1–10 Strings)



High Craftsmanship and Standards

- Max 1500V, Max 50A
- Flame retardant: UL94-V0
- Easy Installation
- Physical isolation
- Outdoor installation: IP65
- Over temperature protection: > 70°C
- FB1 FB2 function achieves external monitoring

Technical data

Main Parameters	1-2 strings	3-5 strings	6-10 strings
System voltage (Vdc)	300~1500		
Max current (A)	50		
Number of strings	1/2	3/4/5	6/8/10
Poles	2/4	6/8/10	12/16/20
Operating voltage	100VAC~270VAC		
Nominal voltage	230VAC		
Nominal current	30mA	30mA	60mA
Operating temperature	-40°C~+70°C		
Automatically switch off by temperature	+70°C		
FB1 FB2 function (Standard configuration)	Contact Capacity: 250VAC,16A		
Storage temperature	-40°C~+85°C		
Ingress protection level	IP66	IP65	IP65
Protection level	Class II		
Certification	CE		
Regulations compliance	EN 60947-1&3		
Mechanical life	10000		
Electrical life	>1500		

YRSD-A SERIES

String Level Rapid Shutdown (Firefighter Switch 1–10 Strings)

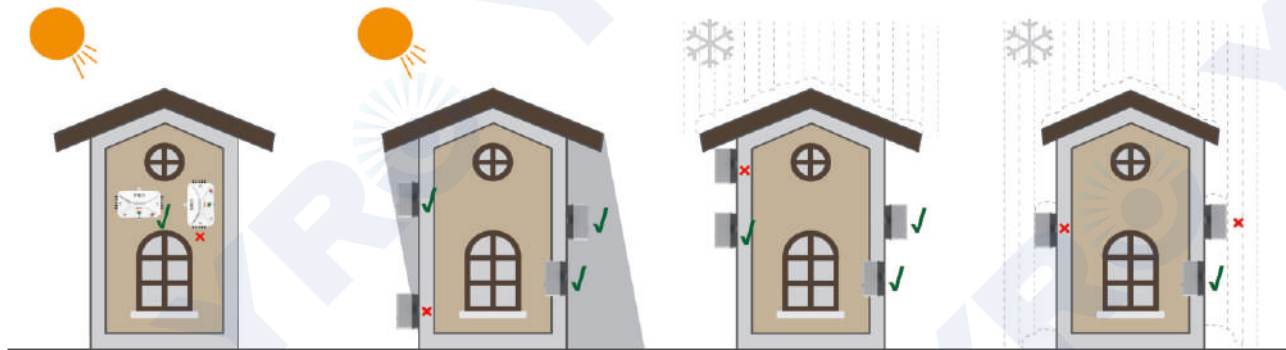


Technical data

PID Recovery Module Spec (optional)		
AC Input	Static Power	<0.5W
	Operating Power	3.75W
	Max. Power	8.75W
DC Output	Rated Output Voltage To Ground	600V
	Rated Output Current	3.3mA
	Max. Short Circuit Current	6.7mA
PV Modules and Inverter Requirements	Max. System Volatage	1500V
	Module Type Required	P Crystalline Silicon Type
	Minimum Insulating Impendance	200kΩ
Other Info	Operating temperature Range	-20°C ~ +60°C
	Operating Relative Humidity	0%~98%
	Max. Altitude Without Derating	4000m

Data of YRSD1 refer to built-in DC isolators. Data according to IEC60947-3(ed.3.2):2015. Utilization category DC-PV1.						1-10 strings	Part Number
300V	600V	800V	1000V	1200V	1500V		
50A	50A	50A	50A	40A	30A	2/4/6/8/10/12/16/20	YRSD-A

Installation



Contact Configuration

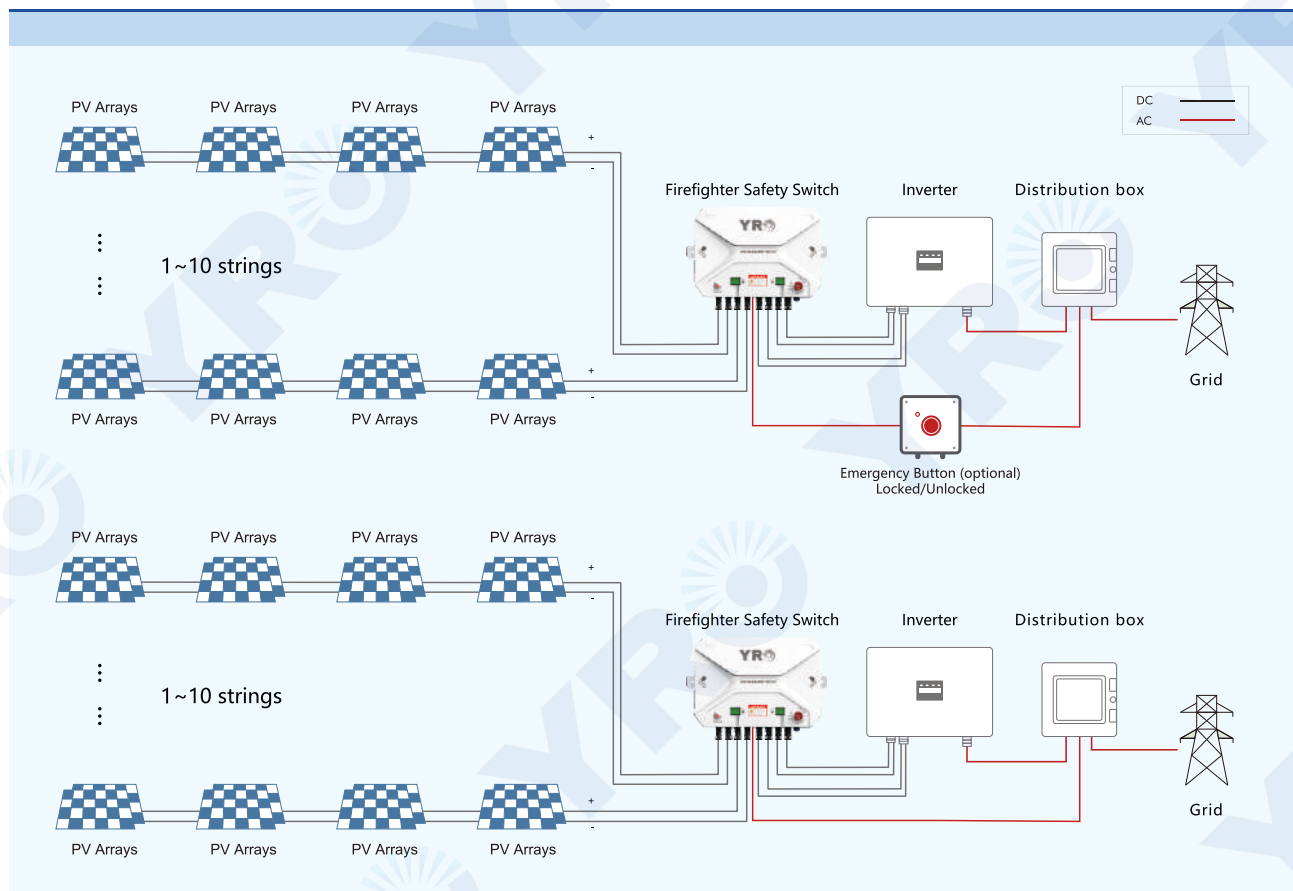
2	4	6/2*6	8/2*8	10/2*10

YRSD-A SERIES

String Level Rapid Shutdown (Firefighter Switch 1–10 Strings)

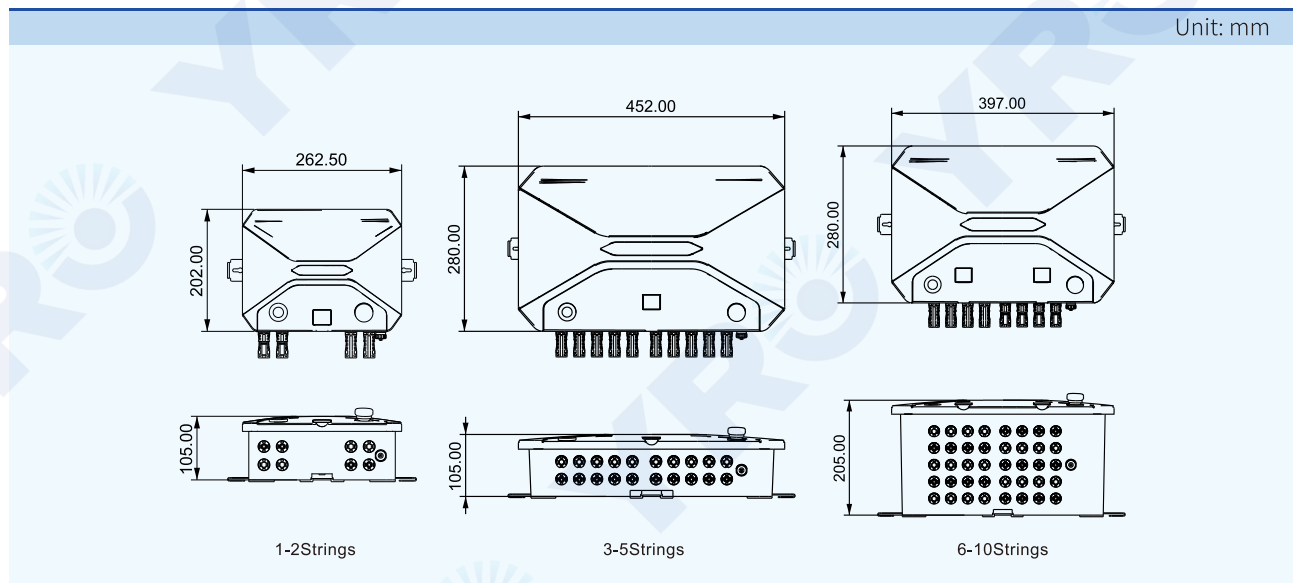


Diagram



Dimensions

Unit: mm



YRSD-A SERIES

String Level Rapid Shutdown Device (WiFi)



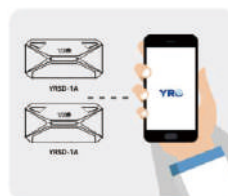
Application

The Rapid Shutdown has been especially developed as a safety device for direct current(DC) photovoltaic installations. The DC disconnect switch is used to disconnect the connected strings of the installation in case of an emergency situation. Such an emergency situation could be in case of fire.



Automatic Shutdown

Automatically shutdown the DC power of panels when detecting temperature of the area is higher than 70°C.



RS485 shutdown optional

Maintenancers or homeowners can also remotely shutdown through RS485 communication (Optional)

Technical data

Main Parameters		
Type Code	YRSD-xA/wifi; x=1~10 Strings	
String voltage	DC1000V	DC1500V
String current	32A(40A optional)	26A
Rated voltage	AC230V~	
Operation voltage	AC100-270V~	
Operation temp	-40~+85°C	
Protection temp	+70°C	
Protection level	IP66	
Standard	IEC 60947-1&3/NEC 2014	
Communication	2.4G wifi/RS485	
App	YRO SMART	

App menu



Scan to
download
YRO Smart

