

# SG3202S DC Strings Meter



The DC Strings Meter for PV Panels is suitable to be installed in small to medium sized PV Combiner Box, which can measure the power generating capacity and accumulated total energy output for up to 2 combinations (SG3202S) PV power circuit. The DC Strings Meter can also measure instant power, voltage, and current for each loop as well as detect temperature/surge in surrounding areas. Through the electric-isolated RS-485 interface, users can remotely control and monitor the operating status of each string PV panel and analyze the collected data on the computing control system to optimize power generating performance.

## Features

**Wide Voltage** : 40Vdc~1000Vdc

**Low Consumption** : Below 0.5W (incl. loop voltage measuring consumption)

**Wide Temp.** : -40°C~75°C

**High Accuracy** : Energy (kWh) & Power (W, V, A)

Measuring Precision 1%+0.5%FS(@ TA 0~40°C);

2%+1%FS(@ TA -40~70°C)

**Wide Range Measurement** :

Voltage Range 40Vdc~1,000Vdc,  
Precision 0.1Vdc;

Current Range 0.1A~15A,  
Precision 0.01A;

Power Range 0.01kW~15kW,  
Precision 0.001kW;

Energy Range 0.1kWh~99,999kWh

**Power Source** : From outer 24~48Vdc supply

**Operation** : Use DIP switches to choose from 1~63 for ID, and from 2~4 for combination no.

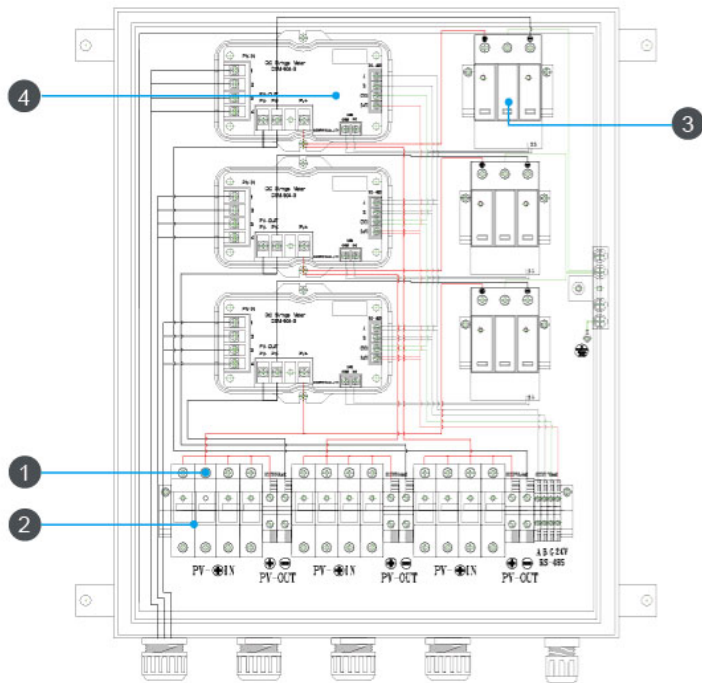
## Technical Specifications

Model Name		SG3202S
Rated Current		2 Strings; 10A for each String; Max. 20A Total
Rated Voltage		900Vdc
Class of Accuracy (kWh.W.V.A)	@ TA 0~40°C	1%+0.5%FS
	@ TA -40~70°C	2%+1%FS
Measure Display	Voltage	40Vdc~1,000Vdc
	Total Current	0.1A~30A
	Total Power	0.1kW~30kW
	Total kWh	0.1 kWh ~99,999 kWh
	Each String Power	0.01 kW~15kW
	Each String Current	0.01 A~15A
Settings for no. & ID		Use the DIP Switches
Comm. Interface		RS-485(Series)
Environment Temp		Measure & Record Temp. -40 °C ~75 °C
SPD Detection		N/A
Power Consumption		0.5W (external 24Vdc~48Vdc)
Working Temp		-40°C~75 °C · 5 %~95%RH
Dimension WxHxD		9.5(L) x 14.1(W) x 4 .0(H)cm

### Model No. Description

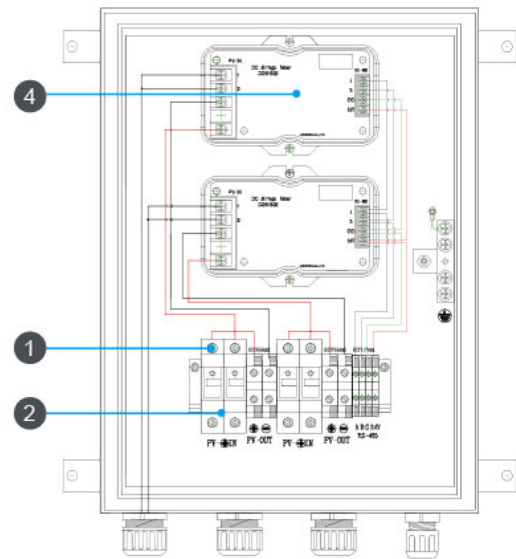
Strings number	SG3202S XX	
Strings number	3202	2 combinations

### Application Diagram



- 1 Solar PV Fuse
- 2 Fuse Holder
- 3 SPD, Surge Protective Device
- 4 DC String Meter

Model : SG3304S-3-54  
(incl. SG3204Sx3pcs)



Model : SG3302S-2-43  
(incl. SG3202Sx2pcs)