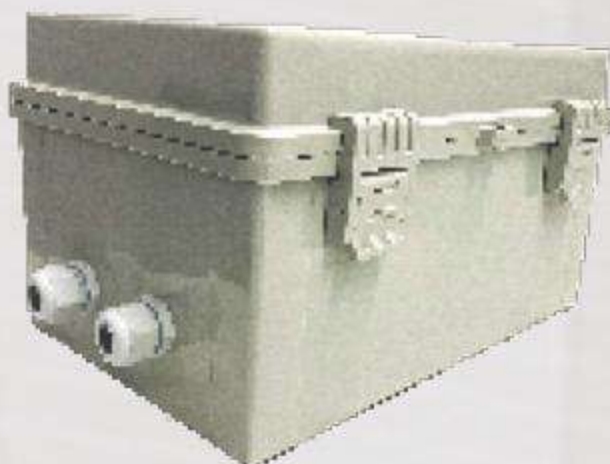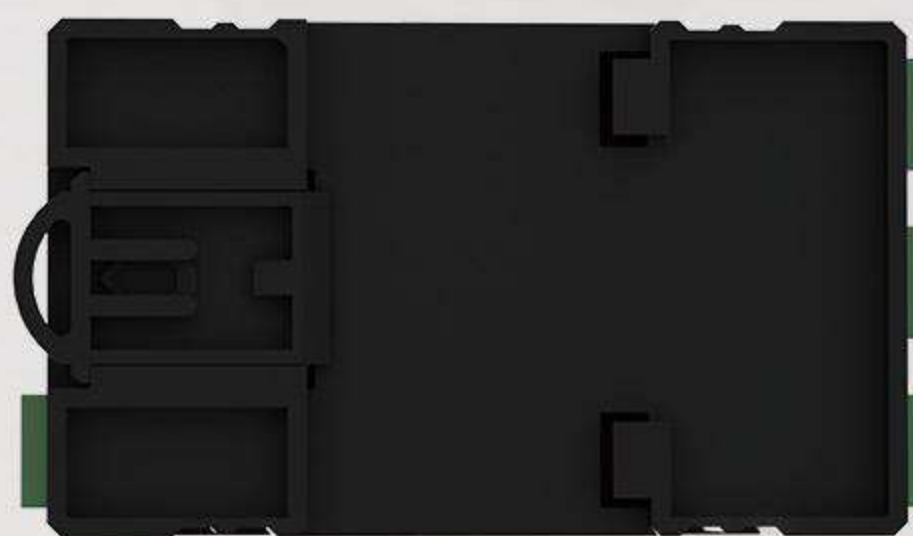# DCON Series
Data Controller

Product Introduction

AdvanSol DCON series Data Controller is supposed to be used with Module-Level Micro Controller to realize the module-level monitoring and rapid shutdown functions. Two product models of data controller can be selected to match different micro controllers.

The 4G/Wi-Fi data controller (DCON) realizes efficient dual-channel communication with the Acloud, and can cooperate with AdvanSol's various functional micro controllers. It is compatible with third-party solar inverters to realize the visualization and module-level management of solar systems. The Sunspec data controller (DCON-S) can achieve single-channel communication, and rapid shutdown function.

Support Sunspec protocol

Compatible with third-party inverters

Realize interconnection and communication with the cloud platform

Technical Parameters	APT-DCON-S	APT-DCON
Communication Protocol	Sunspec	4G / Wi-Fi
Communication Mode with Module-Level Micro Controller	PLC	PLC
Communication Rate	/	9600 bps (1200-19200 bps Adjustable)
Max. Number of Supported Micro Controllers	100	100
Max.Number of Supported Micro Controllers	4 strings	4 strings
Power Supply	12V DC	12V DC
Power Consumption	< 7W	< 7W
Communication Interval	/	5min (5-15min Adjustable)
Local Data Storage Time	/	1 Month
Parameters Setting Mode	/	Web Server / Local Serial Port Debugging
Firmware Upgrade Mode	/	Web Server / Local
Working Ambient Temperature	-20°C to +65°C	-20°C to +65°C
Cooling	Natural Cooling	Natural Cooling
Dimensions (L × W × D)	90 x 54 x 34 mm	90 x 54 x 33.7 mm
Protection Rating	IP20	IP20

DCON

String/Central Inverter

Power output

ACLOUD
Module-level monitoring ✓

RSD
Module-level rapid shutdown ✓

Module-level optimization ✕

DCON-S

String/Central Inverter

Power output

ACLOUD
Module-level monitoring ✕

RSD
Module-level rapid shutdown ✓

Module-level optimization ✕