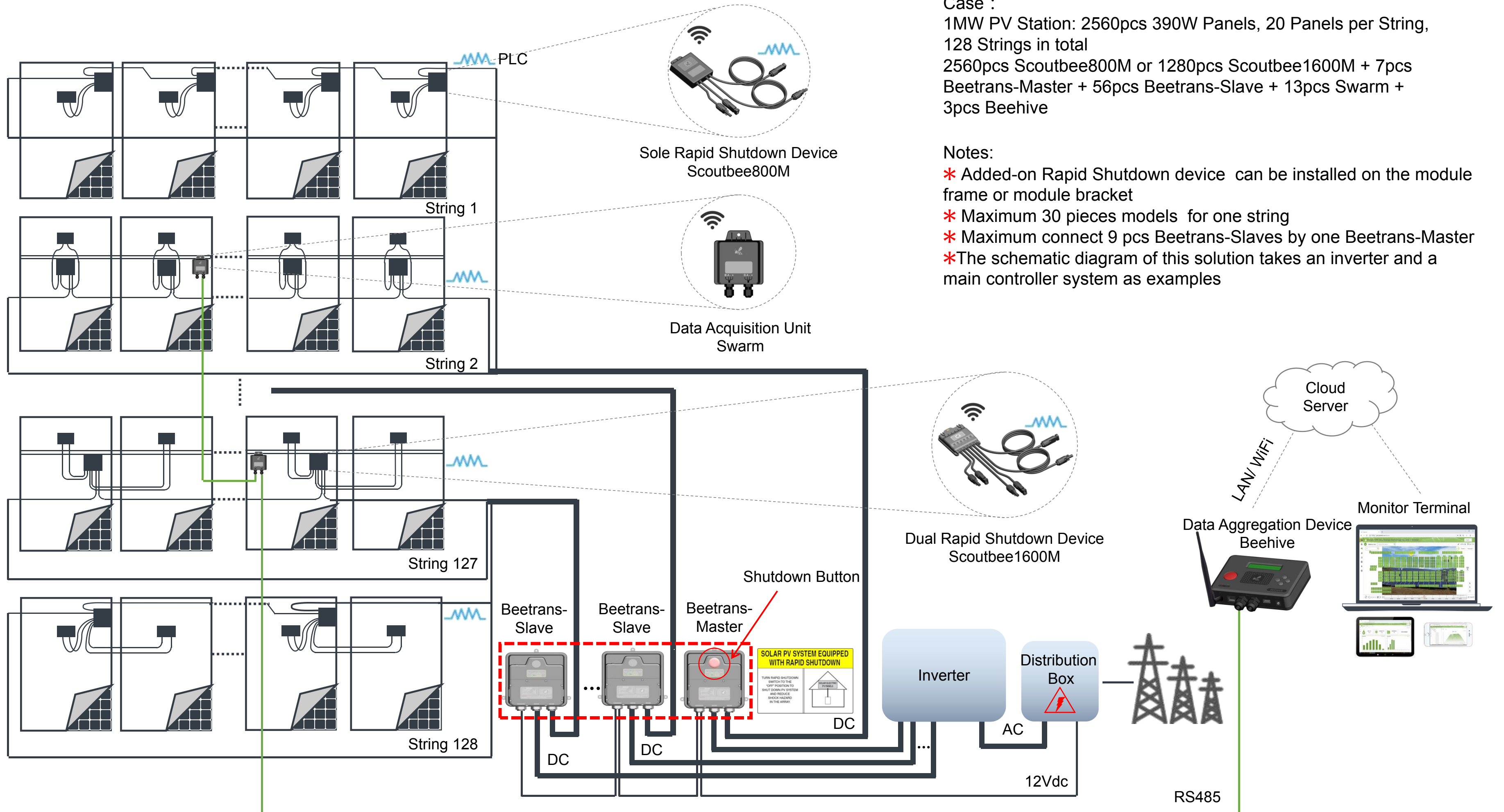


# PV Rapid Shutdown & Monitoring Solution (Added-on Rapid Shutdown device, RF+PLC Communication)



Case :  
 1MW PV Station: 2560pcs 390W Panels, 20 Panels per String, 128 Strings in total  
 2560pcs Scoutbee800M or 1280pcs Scoutbee1600M + 7pcs Beetrans-Master + 56pcs Beetrans-Slave + 13pcs Swarm + 3pcs Beehive

- Notes:
- \* Added-on Rapid Shutdown device can be installed on the module frame or module bracket
  - \* Maximum 30 pieces models for one string
  - \* Maximum connect 9 pcs Beetrans-Slaves by one Beetrans-Master
  - \* The schematic diagram of this solution takes an inverter and a main controller system as examples

Sole Rapid Shutdown Device Scoutbee800M

Data Acquisition Unit Swarm

Dual Rapid Shutdown Device Scoutbee1600M

Data Aggregation Device Beehive

Monitor Terminal

Cloud Server

LAN/WiFi

Shutdown Button

Beetrans-Slave

Beetrans-Slave

Beetrans-Master

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

DC

Inverter

Distribution Box

AC

12Vdc

RS485

# Rapid Shutdown & Monitoring Solution (Added-on Rapid Shutdown Device, RF+PLC Communication)

Case :

10MW PV Installation: 25600pcs 390W Modules , 20 Panels per String, 1250 Strings in total

25600pcs Scoutbee800M or 12800pcs Scoutbee1600M + 79pcs Beetrans-Max + 128pcs Swarm + 26pcs Beehive

Notes:

- \* Added-on Rapid Shutdown device can be installed on the module frame or module bracket
- \* Maximum 30 pieces models for one string
- \* Take 1 shutdown box , 1 combination box , 1 inverter as an example
- \* DC Switch, Shutdown all modules connected to that rapid shutdown box
- \* AC Switch, Shutdown all rapid shutdown boxes and all modulus that connected to it

