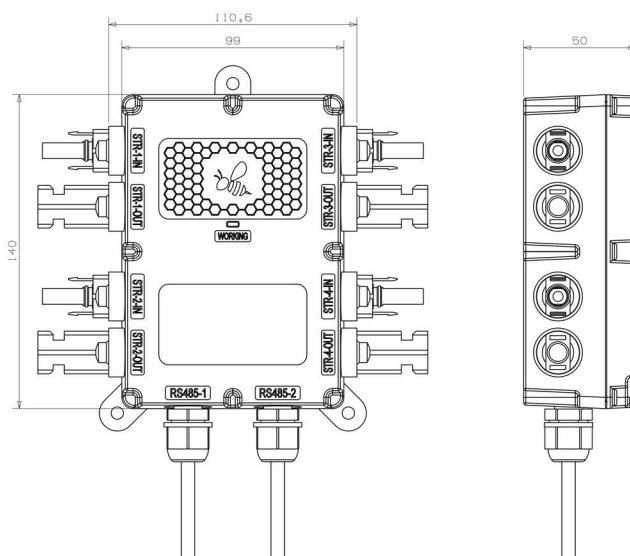


Swarm-PLC

Data Acquisition Unit



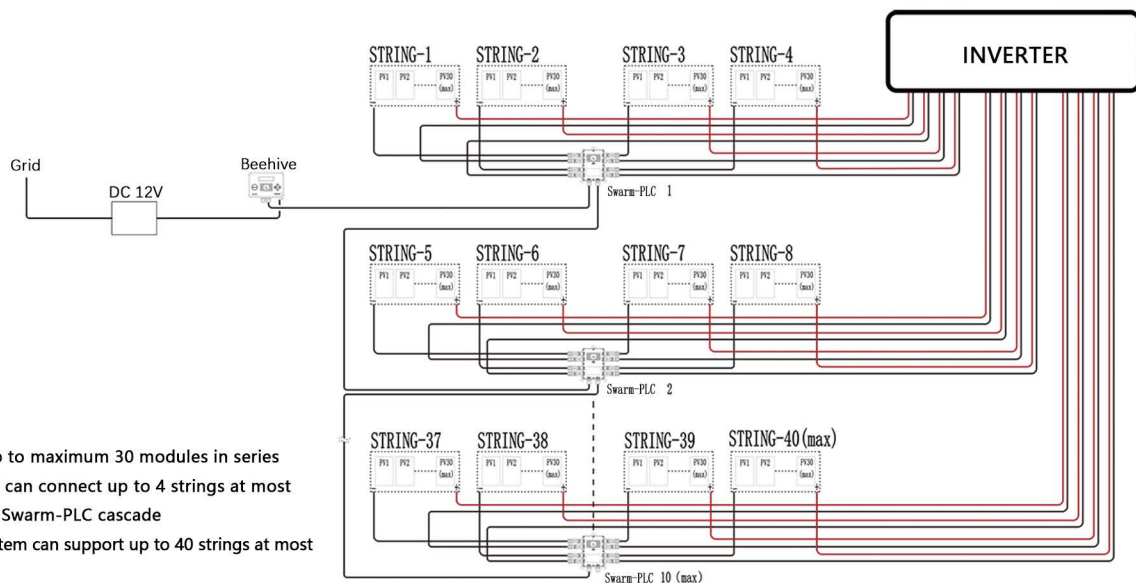
Product Description

- * Be used with GNE optimizer to activate the module-level monitoring and shutdown
- * A single device supports 4 strings of up to 30 modules per string
- * A single system supports up to 10 Swarm-PLC cascaded through 485 wires
- * PLC communication, no additional communication cable, higher reliability
- * The system can realize local and remote rapid shutdown

Specification

Model	Swarm-PLC
INPUT	
Maximum input Current Per String	20A
Support Strings	4 Strings
Maximum System Voltage	1000V / 1500V
Voltage & Frequency	12VDC
Extendibility	Support up to 10 Swarm-PLC in series
INSTALLATION SPECIFICATION	
Connector	Compatible with MC4
Size	140 x 99 x 50.4 mm
Weight	504 g
Working Temperature	-40 ~ +85 °C
Ingress Protection	IP65
FUNCTION	
Communication	RS485
Local Rapid Shutdown Function	YES
Remote Rapid Shutdown Function	YES
Open Circuit Voltage	YES
Automatic Shutdown After Power Failure	YES
Support Production Models	Honeybee400/650/850/1600 (PLC version)
STANDARD/ CERTIFICATION	
Regulations	NEC 2017/2020 690.12
Safety	IEC/EN 62109-1:2010
	the Low Voltage Directive(2014/35/EU)
EMC	UL1741, CSA C22.2, UL1703
	EN IEC 61000-6-2:2019
Certification	EN 61000-6-3:2007/+A1:2011
	the EMC Directive(2014/30/EU)
	CE

System Connection



- * A string of up to maximum 30 modules in series
- * A Swarm-PLC can connect up to 4 strings at most
- * Maximum 10 Swarm-PLC cascade
- * The entire system can support up to 40 strings at most