

Monitoring sticks

WIFI - LAN - 4G

Autarco offers three kinds of monitoring sticks for connecting Autarco inverters to the internet, ensuring data is successfully submitted to Autarco for use in the Smart Asset Management service. Receiving the inverter messages is a crucial part of Autarco's ability to do proactively monitoring and offer insight on performance for installer and owner in our portal.

S2.WIFI-STICK-D2

- + Low cost, simple install, 2-way communication
- WiFi connection possibly unstable

S2.LAN-STICK-D

- + Reliable, also compatible with WiFi
- Additional cabling required

S2.4G-STICK-D

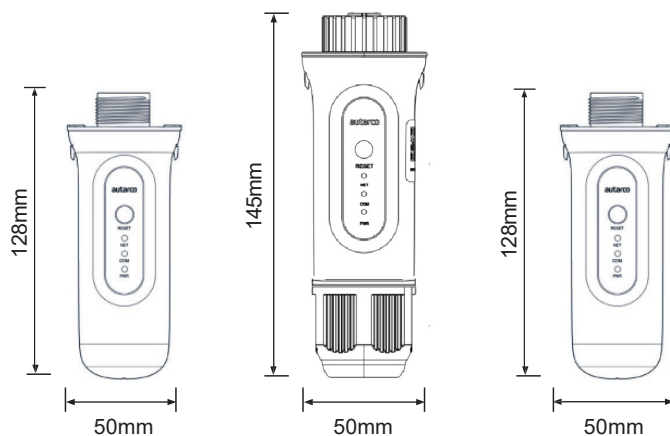
- + Reliable connection, 2-way communication, WiFi built-in
- Additional costs for data



WIFI-STICK-D.2
(WiFi)

LAN-STICK-D.1
(LAN + WiFi)

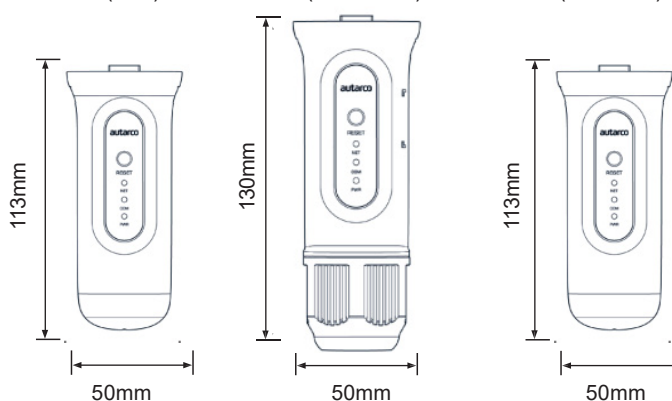
4G-STICK-D.1
(4G + WiFi)



WIFI-STICK-D2.U1
(WiFi)

LAN-STICK-D.U1
(LAN + WiFi)

4G-STICK-D.U1
(4G+ WiFi)



Quality Certificates

FCC, CE



General characteristics

Inverter connection	4 pin / USB
Inverter communication	RS485
Operating voltage	5V DC
Max. current	70 A (at 60°C)
Data collection intervals	5 minutes (adjustable 1-15 minutes)
Preferences setting	Web server / Application
Warranty	2 years
IP rating	IP65
Operating altitude	< 4000m

Physical properties

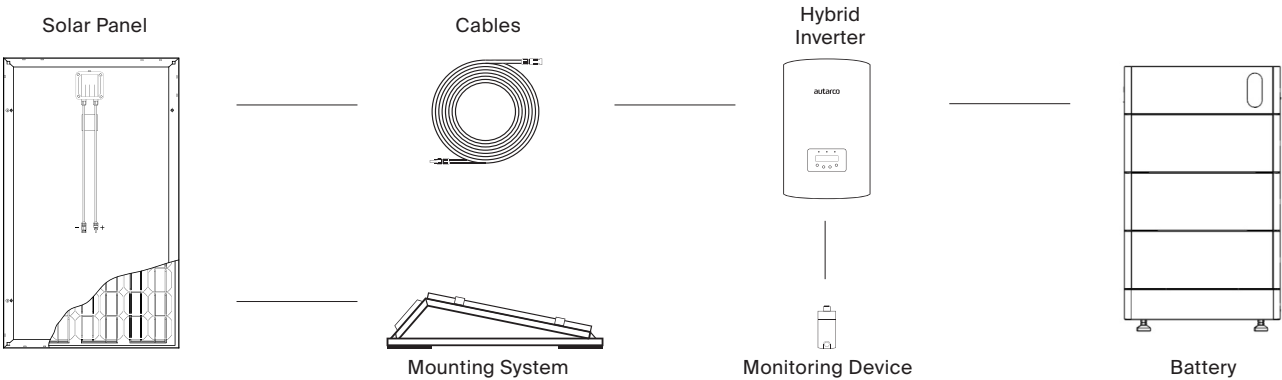
	S2.WIFI-STICK-D2	S2.LAN-STICK-D	S2.4G-STICK-D
Dimensions (W x H x D)	4 pin: 128 x 50 x 34	4 pin: 145 x 50 x 41	4 pin: 128 x 50 x 34
	USB: 113 x 50 x 34	USB: 130 x 50 x 41	USB: 113 x 50 x 34
Weight (g)	4 pin: 80	4 pin: 100	4 pin: 80
	USB: 65	USB: 90	USB: 65
Operating power consumption (W)	< 2	< 5	< 5

Data characteristics

Connection type	Wireless (Wi-Fi)	Cabled (RJ45)/WiFi	Wireless (SIM Data)/WiFi
Max. Connection to	Router	Router	4G
Frequency	802.11 b/g/n (2.4G)	802.11b/g/n (2.4G—2.483G)	802.11b/g/n (2.4G - 2.483G)
	802.11 a/n (5G)		GSM/GPRS: 850/900/1800/1900 MHz
Data interval	5min	5min	5min
Data storage	4 MB Flash	N/A	4 MB Flash
Preference Setting	Web Server/App	Web Server/App	Web Server/App
TCP/IP connection	Supported	Supported*	Not supported

Environmental characteristics

Operating temperature	-30°C to +65°C	-30°C to +65°C	-30°C to +65°C
Operating humidity	5% to 95% Relative humidity, no condens		
Storage temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Storage humidity	<40%	<40%	<40%



*requires latest firmware to support TCP/IP connection. This can be performed in digital O&M in Helios

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.