

# Monitoring sticks

# autarco

Autarco offers four 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 pro-actively monitoring and offer insight on performance for installer and owner in our portal.



- Wi-Fi stick  
✓ Low cost and simple install  
✗ WiFi connection often unstable



- ETHERNET stick  
✓ Low cost and reliable  
✗ Additional cabling required



- Z-WAVE stick  
✓ Suitable for smart home installations (IoT)  
✗ Smart Home supported via partners



- GPRS stick  
✓ Reliable connection  
✗ Additional costs for data subscription

## QUALITY CERTIFICATES

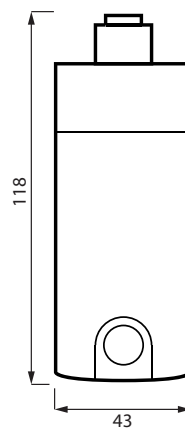
♦ FCC, CE



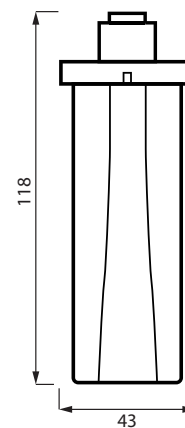
## GENERAL CHARACTERISTICS

Max. number of inverters	1
Inverter connection	4 pin
Inverter communication	RS485
Operating voltage	5V DC
Max. current	70 A (at 60°C)
Data collection intervals	5 minutes
Preferences setting	Web server / SMS
Warranty	2 years
IP rating	IP65

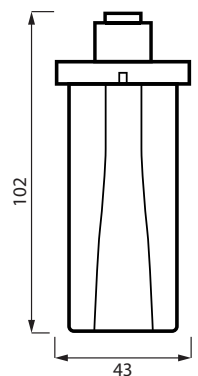
Wifi and Z-wave sticks



GPRS stick



Ethernet stick



# PHYSICAL PROPERTIES

	S2.WIFI-STICK	S2.ETHERNET-STICK	S2.ZWAVE-STICK	S2.GPRS-STICK
<b>Dimensions (W x H x D)</b>	118 x 43 x 20	102 x 43 x 43	118 x 43 x 20	118 x 43 x 43
<b>Weight (g)</b>	50	50	50	50
<b>Operating current (mA)</b>	200-300	110-200	500	160-500

# DATA CHARACTERISTICS

<b>Connection type</b>	Wireless (Wi-Fi)	Cabled (RJ45)	Wireless (Z-WAVE)	Wireless (Sim Data)
<b>Connection to</b>	Router	Router	Z-wave gateway	Satellite (GPRS)
<b>Smart Home capability</b>	No	No	Yes	No
<b>Unobstructed range</b>	100m	Cable 50m	30m	N/A
<b>Frequency</b>	2.412GHz-2.484GHz	N/A	868.42MHz in EU	850/900/1800/1900MHz
<b>Communication rate</b>	9600bps	1200-9600bps	9600bps	9600bps
<b>Remote communication</b>	Wi-Fi (802.11 b/g/n)	Ethernet 10/100Mbps	Z-wave	GPRS class 12
<b>Antenna</b>	I-PEX antenna	I-PEX antenna	I-PEX antenna	I-PEX connector
<b>Firmware updates</b>	Serial port	Ethernet	Wireless	Serial port
<b>Data storage</b>	8mbyte flash	8mbyte flash	N/A	8mbyte flash
<b>Data interval</b>	5min	5min	5min	5min
<b>Preference Setting</b>	Web Server	Web Server	Web Server	SMS

# ENVIRONMENTAL CHARACTERISTICS

<b>Operating temperature</b>	-10°C to +85°C	-10°C to +85°C	-10°C to +85°C	-10°C to +85°C
<b>Operating humidity</b>	-10% to 90% Relative humidity, no condens			
<b>Storage temperature</b>	-40°C to +125°C	-45°C to +125°C	-40°C to +125°C	-40°C to +125°C
<b>Storage humidity</b>	<40%			

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.

