

Technical data and types	
Type code	Data Logger VSN2025-01
Communication Interface	
WAN	WAN x 1, 10 / 100 / 1000 Mbps
LAN	LAN x 1, 10 / 100 / 1000 Mbps
RS485	COM x 3, 1200 / 2400 / 4800 / 9600 / 19200 / 115200 bps, 1000 m
Fiber	SFP x 2, 100 / 1.000 Mbps
MBUS	Max. AC 800 V(±10%), 1000m
Digital / Analog Input / Output	DI x 4, DO x 2, AI x 4
Active DO	12V, 100mA (connection with relay, sensor)
Software Function	
Max. Number of Manageable Devices	200
Scenario	Support PV/ESS on-grid operation
Active power control	Closed loop feed-in power control within 2s; Maximum active power control within 5s ¹⁾
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Interaction	
WEB	Embedded Web
USB	USB 2.0 x 1
Environment	
Operating Temperature Range	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Relative Humidity (Non-condensing)	5% ~ 95%
Max. Operating Altitude	4.000 m (13.123 ft.)
Electrical	
AC Power Supply	100 V ~ 240 V, 50 Hz / 60 Hz; DC output: 12V, 2A
DC Power Supply	24 V, 0.8A
Power Consumption	Typical 9 W, Max. 15 W
Mechanical	
Dimensions (W x H x D)	225 x 160 x 44 mm (8.9 x 6.3 x 1.7 inch, without mounting ears and antenna)
Weight	2 kg (4.4 lb.)
Protection Degree	IP20
Installation Options	Wall Mounting, DIN Rail Mounting, Tabletop Mounting Integrated inside Array Control Box

1) If the capacity or demand at the grid connection point exceeds the threshold, it takes 5s for the Data Logger to control the capacity or demand within the threshold. Ensure that the switch protection settings are appropriate.

Remarks:
• **Features not specifically listed in the present data sheet are not included in the product**



For more information
please contact your
local FIMER
representative or visit:

fimer.com

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. MA Solar Italy srl does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of MA Solar Italy srl. Copyright© 2026 MA Solar Italy srl. All rights reserved.

