

SOLAR INVERTERS

UNO-DM-PLUS

Inverter compatibility matrix

Item model number	Item part number	Product description	Compatible	Note
PLUG-IN CARD				
VSN300 Wifi Logger Card	3N160010000A/ 3N160020000A	<ul style="list-style-type: none"> Wifi Logger Card - IEEE 802.11 b/g/n (2.4 GHz) Wi-Fi Certified™ - Compatible with all ABB string inverters - Modbus/TCP server (SunSpec certified) for SCADA integration - 30 days of local data storage - Lifetime standard level access to Aurora Vision monitoring portal 	No	
ETHERNET EXPANSION BOARD	3N280000000A	<ul style="list-style-type: none"> Plug-in card for TRIO-5.8/7.5/8.5 inverter family only; Add-On Ethernet port; 	No	
PMU EXPANSION BOARD	3N270000000A	<ul style="list-style-type: none"> - Plug-in card for TRIO-5.8/7.5/8.5 inverter family only; - Power Management Unit (PMU) functionalities; - External sensor inputs:AN1;AN2;PT100/PT1000; - Additional RS485 with MODBUS protocol - Compatible with TRIO-5.8\7.5\8.5 family only 	No	
EXTERNAL DATA LOGGER				
VSN700-01	VSN700-01-x0	<ul style="list-style-type: none"> VSN700-01 Data Logger for the residential market - Supports up to five ABB single phase inverters and TRIO-5.8/7.5/8.5 three phase inverters - Two RS485 inputs, two Ethernet interfaces - External power supply (wall plug) - 30 days of local data storage - Lifetime standard level access to Aurora Vision monitoring portal - No DC string monitoring, No energy meter, No agency reporting - Enclosure not included 	Yes	Through RS-485 ports set as "Aurora Protocol (to SunSpec) Adapter"
VSN700-03	VSN700-03-x0	<ul style="list-style-type: none"> VSN700-03 Data Logger for the small to medium commercial market - Supports up to ten ABB string inverters and one VSN800 Weather Station - Two RS485 inputs, two Ethernet interfaces - External power supply (wall plug) - 30 days of local data storage - Lifetime standard level access to Aurora Vision monitoring portal - Enclosure not included 	Yes	Through RS-485 ports set as either "Aurora Protocol (to SunSpec) Adapter" or "Modbus RTU"
VSN700-05	VSN700-05-x0	<ul style="list-style-type: none"> VSN700-05 Data Logger for all markets - Supports all ABB inverters and select meters, combiners, & weather stations - Modbus TCP gateway for SCADA integration - Two RS485 inputs, two Ethernet interfaces - External power supply (wall plug) - 30 days of local data storage - Lifetime standard level access to Aurora Vision monitoring portal - Enclosure not included 	Yes	Through RS-485 ports set as either "Aurora Protocol (to SunSpec) Adapter" or "Modbus RTU"
WEATHER STATION				
VSN800	VSN800-12	<ul style="list-style-type: none"> VSN800 Weather Station with basic sensor set - 1 ambient temp sensor - 1 panel temp sensor - 1 solar irradiation sensor (pyranometer) - NEMA 3R polymeric enclosure 	No	
VSN800	VSN800-14	<ul style="list-style-type: none"> VSN800 Weather Station with advanced sensor set - 1 ambient temp sensor - 1 panel temp sensor - 1 attached solar irradiance sensor - 1 detached solar irradiance sensor for plane of array - 1 wind speed sensor - 1 wind direction sensor - NEMA 3R polymeric enclosure 	No	

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MONITORING ACCESSORIES				
PVI-USB-RS232_485 converter	3I58001F000A	- Adapter RS485 or RS232 to USB for PC interface	Yes	
PVI-RS485-MODBUS-STRING	3I56001F200A	RS485 ModBus RTU-to-Aurora Protocol adapter - Compatible with ABB string inverters - Suitable for power control management	No	
PVI-RS485-MODBUS-CENTRAL	3I56001F000A	RS485 ModBus RTU-to-Aurora Protocol adapter - Compatible with ABB central inverters - Not suitable for power control management - 2 years warranty	No	
PVI-RS485-MODBUS-TCP-STRING	3M570090000A	RS485 ModBus/TCP-to-Aurora Protocol adapter - Compatible with ABB string inverters - Suitable for power control management	No	
PVI-RS485-MODBUS-TCP-CENTRAL-EU	3M570000000A	RS485 ModBus/TCP-to-Aurora Protocol adapter - Compatible with ABB central inverters (LITE series excluded) - Suitable for power control management	No	
PVI-PMU	3L64001F000A	Power management unit for active and reactive power control - PVI-CENTRAL and 3-ph string inverters (when applicable) - Including power supply - RS485 input & output	No	
PVI-AEC-IRR	8220M423000-G	Irradiance sensor - Compatible with all inverters featuring analog inputs	No	
PVI-AEC-IRR-T	8220M423001-G	Combined irradiance and cell temperature simulating sensor Compatible with all inverters featuring analog inputs	No	
PVI-AEC-IRR-T (30)	8220M423003-G	Combined irradiance and cell temperature simulating sensor with 30m cable harness Compatible with all inverters featuring analog inputs	No	
PVI-AEC-RAD-13TC	8220M423010-G	Irradiance sensor; 0 to 1300W/m ² ; 145x83x39mm Compatible with all inverters featuring analog inputs	No	
PVI-AEC-RAD-13TC-T	8220M423011-G	Combined irradiance and cell temperature sensor; 0 to 1300W/m ² ; 145x83x39mm	No	
PVI-AEC-T1000-BOX	8220M423210-G	PT1000 temperature sensor with IP65 enclosure Compatible with all inverters featuring analog inputs	No	
PVI-AEC-T1000-INTEGR	8220M423212-G	PT1000 temperature sensor with integrated 0...10Vdc converter Compatible with all inverters featuring analog inputs	No	
PVI-AEC-T100-ADH	8220M423201-G	Adhesive PT100 temperature sensor Compatible with all inverters featuring analog inputs	No	
PVI-AEC-WIND-COMPACT	8220M423430	Compact wind speed sensor Compatible with all inverters featuring analog inputs	No	
VSN-ENVIRO-RWPNLPYRO25	VS814-S26	Plane of array solar irradiation sensor (pyranometer) - With 25-foot cable - For VSN800-12 and -VSN800-14 only - 2 year warranty	No	
VSN-ENVIRO-RWPNLTEMP25	VS814-S14	Solar panel temp sensor - With 25-foot cable - For VSN800-12 and -VSN800-14 only	No	
VSN-MGR-DIN	VS799-057-0	DIN rail mounting kit - For VSN700-01, VSN700-03, VSN700-05	No	
SW AND CLOUD SERVICES				
Plant Portfolio Manager		Web portal for professionals	Yes	
Plant Viewer		Web portal for site owners	Yes	
Plant Viewer for Mobile		Mobile app enabling monitoring	Yes	Remote monitoring only
MyREACT		Mobile app enabling monitoring of react	No	
Aurora Manager Lite		Service tool for commissioning and inverter setting	Yes	Via RS-485 port set as aurora protocol communication interface

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

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