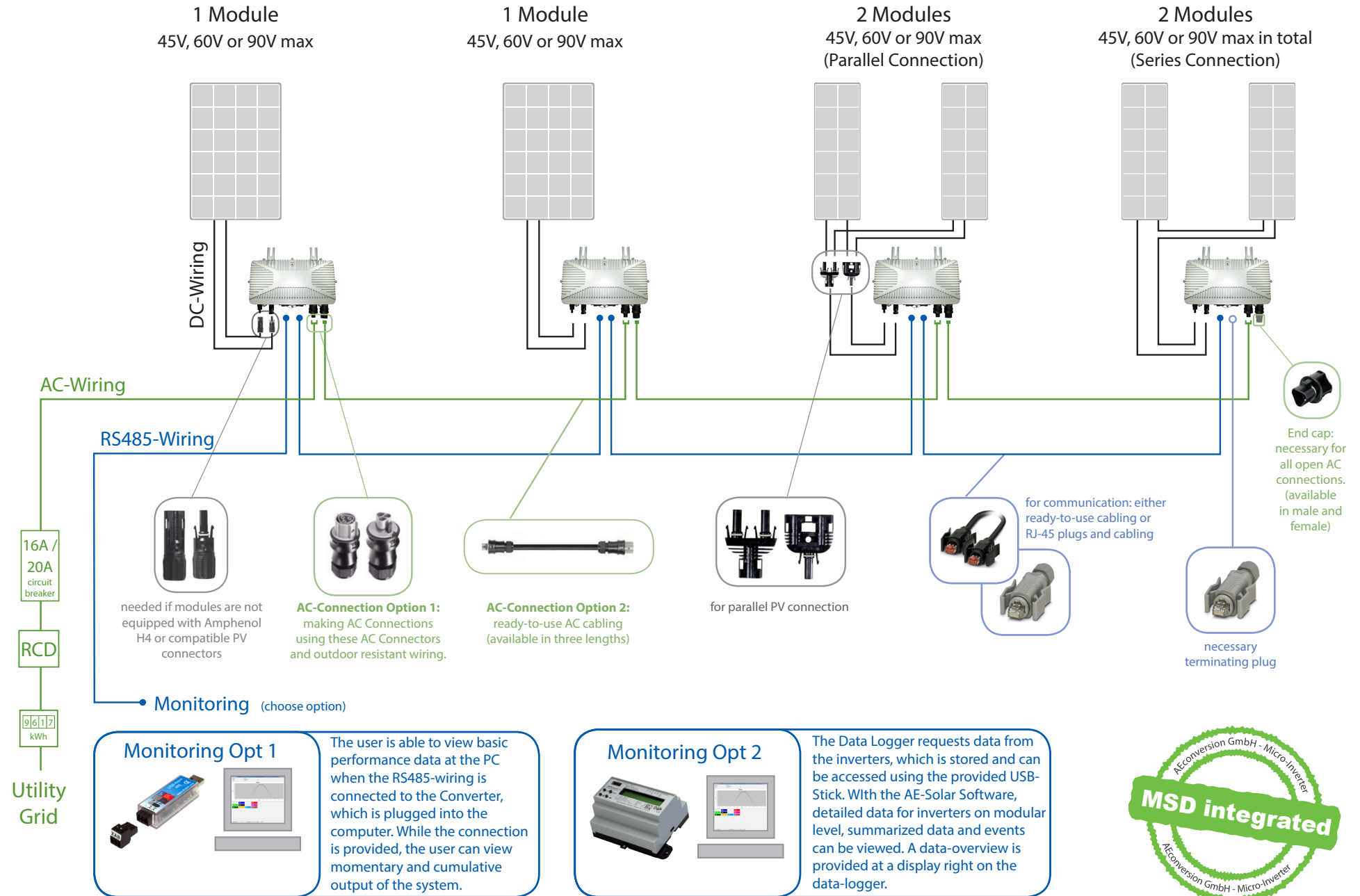


RS-485 Micro-Inverter System (50 Hz)



System Schematic



RS-485 Micro-Inverter System (50 Hz)



Product Overview






Image	Part Number	Description
Micro-Inverters		
	11-05-500292-XX	INV250-45EU RS485 Max. PV Power: 250 W Max. DC voltage: 45V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: RS-485
	11-05-500246-XX	INV350-60EU RS485 Max. PV Power: 350 W Max. DC voltage: 60V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: RS-485
	11-05-500295-XX	INV350-90EU RS485 Max. PV Power: 350 W Max. DC voltage: 90V Max. DC Current: 9A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: RS-485
	11-05-500302-XX	INV500-90EU RS485 Max. PV Power: 500 W Max. DC voltage: 90V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: RS-485
DC (PV) Accessories		
	51-05-500017-1	PV-Female (+) Amphenol H4 Female Cable Connector screw contact - 4-6 SQMM
	51-05-500018-1	PV-Male (-) Amphenol H4 Male Cable Connector screw contact - 4-6 SQMM
	51-05-500012-1	PV-Branch plug H4 Amphenol The PV-Branch plug H4 is used for a safe and simple parallel or serial-parallel connection of PV-modules. 2 male, 1 female
	51-05-500013-1	PV-Branch socket H4 Amphenol The PV-Branch socket H4 is used for a safe and simple parallel or serial-parallel connection of PV-modules. 2 female, 1 male

Image	Part Number	Description
AC Accessories		
	16-05-500265-1	Cable assembly RST20i3, 20A, 1m Extension cable, female - male, length 2,5m, RST25i3, 3 pole, 250V/25A, cable type H07RN-F, cross section 4,0 mm ² , color of coding: concrete gray
	51-05-500019-1	Female connector with strain relief RST25i3S B1 Z R2S BG03, 25A Connector RST25i3, 3 pole, female, screw connection, 250V/25A, for cable diameters 10-14 mm, color of coding: concrete gray, color of housing: black
	51-05-500020-1	Male connector with strain relief RST25i3S S1 ZR2 V BG03, 25A Connector RST25i3, 3 pole, male, screw connection, 250V/25A, for cable diameters 10-14 mm, color of coding: concrete gray, color of housing: black
	46-05-500002-1	Cover for female connector BLACK Cover piece RST 2 to 3 pole, for covering unused female connectors.
	46-05-500003-1	Cover for male connector BLACK Cover piece RST 2 to 3 pole, for covering unused male connectors 20 and 25A.
Communication and Monitoring Accessories		
	16-05-500236-1	Ethernet-Cable IP65, 2 m Ready for use: Ethernet-Cable IP65, Length= 2 meters
	51-05-500008-1	RJ45 Ethernet Plug VS-08-RJ45-5-Q/IP67-BK RJ45 connector, IP67, CAT5e, 8-pos., with QUICKON fast connection technology, for 1-wire and 7-wire conductors AWG 26 ... 22, for cable cross section 5.0 mm ... 8.0 mm
	14-05-500422-1	RJ45 / RS485-Terminating Plug RS485-Terminating Plug, RJ45, IP67
	17-05-500026-1	Interface Converter USB-485 Interface Converter converts RS485 connection into a USB-Connection that can be used to visualize PV-data on a PC.
	11-05-500285-1	AE Conversion Datalogger Requests and stores data from the inverters that can be accessed using the provided USB-Stick. With the AE-Solar Software, detailed data for inverters can be viewed.