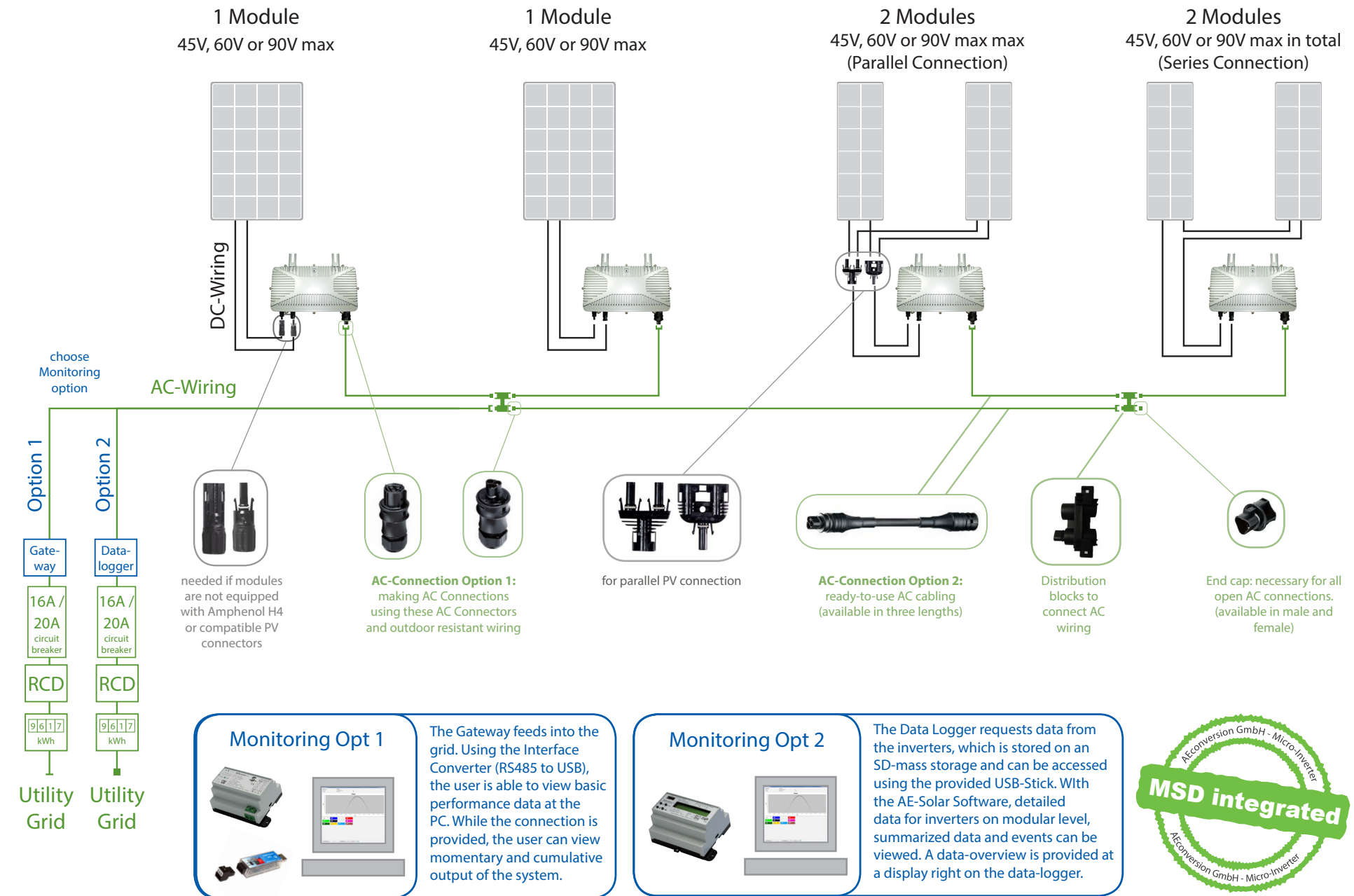


PLC Micro-Inverter System (50 Hz)

System Schematic



Monitoring Opt 3: Web-based monitoring coming soon.



PLC Micro-Inverter System (50 Hz)

Product Overview




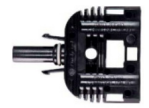

Image	Part Number	Description
Micro-Inverters		
	11-05-500293-XX	INV250-45EU PLC Max. PV Power: 250 W Max. DC voltage: 45V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: PLC
	11-05-500247-XX	INV350-60EU PLC Max. PV Power: 350 W Max. DC voltage: 60V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: PLC
	11-05-500299-XX	INV350-90EUPLC Max. PV Power: 350 W Max. DC voltage: 90V Max. DC Current: 9A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: PLC
	11-05-500303-XX	INV500-90EU PLC Max. PV Power: 500 W Max. DC voltage: 90V Max. DC Current: 11A Nominal AC voltage: 230V Frequency: 50 Hz Protection Degree: IP65 Communication: PLC
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
AC Accessories		
	16-05-500249-1	Cable assembly RST20i3, 20A, 1m Extension cable, female - male, length 1m, RST20i3, 3 pole, 250V/20A, cable type H07RN-F, cross section 2,5 mm ²
	16-05-500250-1	Cable assembly RST20i3, 20A, 2m Extension cable, female - male, length 2m, RST20i3, 3 pole, 250V/20A, cable type H07RN-F, cross section 2,5 mm ²
	16-05-500251-1	Cable assembly RST20i3, 20A, 3m Extension cable, female - male, length 3m, RST20i3, 3 pole, 250V/20A, cable type H07RN-F, cross section 2,5 mm ²

Image	Part Number	Description
AC Accessories continued		
	51-05-500004-1	Female connector with strain relief RST20i3S B1 ZR1 SW Connector RST20i3, 3 pole, female, screw connection, 250V/20A, for cable diameters 6-10 mm, color of coding: black, color of housing: black
	51-05-500005-1	Female connector with strain relief RST20i3S B1 ZR2 SW Connector RST20i3, 3 pole, female, screw connection, 250V/20A, for cable diameters 10-14 mm, color of coding: black, color of housing: black
	51-05-500014-1	Male connector with strain relief RST20i3S S1 ZR1 V SW Connector RST20i3, 3 pole, male, screw connection, 250V/20A, for cable diameters 6-10 mm, color of coding: black, color of housing: black
	51-05-500015-1	Male connector with strain relief RST20i3S S1 ZR2 V SW Connector RST20i3, 3 pole, male, screw connection, 250V/20A, for cable diameters 10-14 mm, color of coding: black, color of housing: black
	51-05-500003-1	Distribution block RST20i3V 3P1 F V SW Distribution block RST20i3, 3 pole, 1 x male, 3 x female, with mounting option, 250V/20A, color of coding: 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		
	17-05-500026-1	Interface Converter USB-485 The Interface Converter converts the RS485 connection into a USB-Connection that is used to visualize PV-data on a PC.
	11-05-500253-1	AE Conversion Powerline Gateway The Gateway is used to enable monitoring and to provide connection to the utility grid.
	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.