

1. Put one of the AC wires of the PV inverter through the AC Current sensor.
2. Connect the sensor to the AUX or TEMP-sense input of an Inverter, Multi or Quattro in the same phase as being measured by that current sensor.
3. Configure the power range with the dipswitches. Select the power equal or higher than the maximum expected power. For example, with a 4kW PV installation, the correct dipswitch setting is 5kW.
4. Multi-phase installations: add one AC current sensor for each phase of the PV inverter. Wire it to the Multi in the same phase.

Configuration

1. Upgrade the Multi or Quattro firmware to the latest version (2xx). Instructions are in the VEConfigure3 requirements document. Download from: www.victronenergy.com/support-and-downloads/software
2. Parallel and three-phase systems: configure parallel or three-phase operation first.
3. Then use the VEConfigure3 to add and configure the 'AC Current sensor' assistant.
4. Parallel and three-phase systems: add the assistant to each Multi or Quattro that has an AC Current sensor connected to it.
5. Make sure that the Color Control is running firmware version v1.11 or newer.
6. Select the correct profile on the Color Control: Settings → System setup.

FAQ

How many AC Current Sensors can I connect in one VE.Bus system?

The current maximum is four sensors. Note that each need to be configured separately with an assistant in the Multi or Quattro to which it is wired. The maximum of four will be increased to 9, in CCGX version v1.30, planned for December 2015

Specification

Power range	1.5kW	3kW	5kW	7kW	Not used	
Power step size Approx depends on input voltage (230V AC)	9	17	30	35	-	W
Power step size Approx depends on input voltage (120V AC)	4.5	8.5	15	17.5	-	W
Max measured Current	8	16	25	30.5	-	A
Max Input current	9	18	30	40	-	A
Dipswitch	-	1	1,2	1,2,3	1,2,3,4	ON
Protection category	IP54					

Supported models		AUX input	TEMP input
Product code	Description	Minimum SN#	Minimum SN#
PMP123021010	MultiPlus 12/3000/120-50 - 230V	HQ1352	All serial numbers
PMP123021102	MultiPlus 12/3000/120-50 120V	HQ1322	All serial numbers

Supported models		AUX input	TEMP input
Product code	Description	Minimum SN#	Minimum SN#
PMP243021010	MultiPlus 24/3000/70-50 230V	HQ1350	All serial numbers
PMP243021102	MultiPlus 24/3000/70-50 120V	HQ1347	All serial numbers
PMP245021010	MultiPlus 24/5000/120-100 230V	HQ1326	All serial numbers
PMP485021010	MultiPlus 48/5000/70-100 230V	HQ1326	All serial numbers
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QUA123020010	Quattro 12/3000/120-50/50-230V	HQ1332	All serial numbers
QUA125020000	Quattro 12/5000/220-100/100-230V	HQ1347	All serial numbers
QUA125021100	Quattro 12/5000/220-100/100-120V	HQ1329	All serial numbers
QUA243020010	Quattro 24/3000/70-50/50-230V	HQ1341	All serial numbers
QUA245021010	Quattro 24/5000/120-100/100-230V +50A aux.	HQ1326	All serial numbers
QUA243020010	Quattro 24/3000/70-50/50-230V	HQ1341	All serial numbers
QUA245021010	Quattro 24/5000/120-100/100-230V +50A aux.	HQ1326	All serial numbers
QUA248020010	Quattro 24/8000/200-100/100-230V +50A aux.	HQ1333	All serial numbers
QUA483021100	Quattro 48/3000/35-50/50 120V	HQ1329	All serial numbers
QUA485021010	Quattro 48/5000/70-100/100-230V +50A aux.	HQ1330	All serial numbers
QUA485021100	Quattro 48/5000/70-100/100-120V/60Hz +50A aux	HQ1341	All serial numbers
QUA488020000	Quattro 48/8000/110-100/100 230V.	HQ1327	All serial numbers
QUA481030010	Quattro 48/10000/140-100/100 230V +50A aux	HQ1326	All serial numbers
QUA488020000	Quattro 48/8000/110-100/100 230V	HQ1327	All serial numbers
QUA481030010	Quattro 48/10000/140-100/100 230V +50A aux.	HQ1326	All serial numbers
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PMP243021014	Multi-G 24/3000/70-50	All serial numbers	All serial numbers
PMP245021014	Multi-G 24/5000/120-100	All serial numbers	All serial numbers
PMP485021014	Multi-G 48/5000/70-100	All serial numbers	All serial numbers
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Other models		Not yet implemented.	All serial numbers

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Permanent link: https://www.victronenergy.com/live/ac_current_sensor:start?rev=1465301872

Last update: **2016-06-07 14:17**



