

EM and ET models

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Carlo Gavazzi smart energy meters technical information

Energy meter manufacturer	Type	Power supply (V)	Supported model for DLB*	Supported model for Solar	MID certified	1/3 phase	Datasheet
Carlo Gavazzi series 1	EM111	120 V	EM111-DIN AV7 1 X S1 PF A/B	EM111-DIN AV7 1 X S1 PF B	+	1 phase	EM111
		230 V	EM111-DIN AV8 1 X S1 PF A/B	EM111-DIN AV8 1 X S1 PF B	+		
		120 V	EM111-DIN AV7 1 X S1 X	EM111-DIN AV7 1 X S1 X	-		
		230 V	EM111-DIN AV8 1 X S1 X	EM111-DIN AV8 1 X S1 X	-		
	EM112	120 V	EM112-DIN AV1 1 X S1 PF A/B	EM112-DIN AV1 1 X S1 PF B	+		EM112
		230 V	EM112-DIN AV0 1 X S1 PF A/B	EM112-DIN AV0 1 X S1 PF B	+		
		120 V	EM112-DIN AV1 1 X S1 X	EM112-DIN AV1 1 X S1 X	-		
		230 V	EM112-DIN AV0 1 X S1 X	EM112-DIN AV0 1 X S1 X	-		
	ET112	120 V	ET112-DIN AV1 1 X S1 X		-		ET112
		230 V	ET112-DIN AV0 1 X S1 X		-		
		120 V	ET112-DIN AV1 1 X S1 X		-		
		230 V	ET112-DIN AV0 1 X S1 X		-		

Carlo Gavazzi series 3	EM330	400 V	EM330-DIN AV5 3 H S1 PF A/B		+		EM330
		400 V	EM330-DIN AV5 3 H S1 X		-	3 phase	
	EM340	400 V	EM340-DIN AV2 3 X S1 PF A/B	EM340-DIN AV2 3 X S1 PFB	+		EM340
		400 V	EM340-DIN AV2 3 X S1 X		-		
	ET330	230 V	ET330-DIN AV5 3 H S1 X		-	1 phase	ET330
		400 V	ET330-DIN AV5 3 H S1 X		-	3 phase	
Carlo Gavazzi series 5	ET340	400 V	ET340-DIN AV2 3 X S1 X		-		ET340
	EM530	400 V	Yes	Yes	+	3 phase	EM530
	EM540	400 V	Yes	Yes	+		EM540

***DLB** - Dynamic load balancing

Carlo Gavazzi meters wiring:

Note 1: All of the Color-coding is strictly exemplary and is used simply to differentiate between different connection points. Different communication cables can have differently coloured wires. Connect them according to used inventory.

Note 2: Ensure that the power is off before proceeding with the wiring

1st series to TeltoCharge connection



3rd and 5th series to TeltoCharge connection



Powering the energy meter

To correctly connect smart energy meter to power source, it is recommended to use manufacturers installation manuals.

← [Smart energy meters](#)