

# 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	<a href="#">EM111-DIN AV7 1 X S1 PF B</a>		+		<a href="#">EM111</a>	
		230 V	<a href="#">EM111-DIN AV8 1 X S1 PF B</a>		+			
		120 V	<a href="#">EM111-DIN AV7 1 X S1 X</a>		-			
		230 V	<a href="#">EM111-DIN AV8 1 X S1 X</a>		-			
	EM112	120 V	<a href="#">EM112-DIN AV1 1 X S1 PF B</a>			+	1 phase	<a href="#">EM112</a>
		230 V	<a href="#">EM112-DIN AV0 1 X S1 PF B</a>			+		
		120 V	<a href="#">EM112-DIN AV1 1 X S1 X</a>			-		
		230 V	<a href="#">EM112-DIN AV0 1 X S1 X</a>			-		
ET112	120 V	<a href="#">ET112-DIN AV1 1 X S1 X</a>			-		<a href="#">ET112</a>	
	230 V	<a href="#">ET112-DIN AV0 1 X S1 X</a>			-			
Carlo Gavazzi series 3	EM330	400 V	<a href="#">EM330-DIN AV5 3 H S1 PF A/B</a>		+		<a href="#">EM330</a>	
		400 V	<a href="#">EM330-DIN AV5 3 H S1 X</a>		-	3 phase		
	EM340	400 V	<a href="#">EM340-DIN AV2 3 X S1 PFB</a>			+	<a href="#">EM340</a>	
		400 V	<a href="#">EM340-DIN AV2 3 X S1 X</a>			-		
	ET330	230 V	<a href="#">ET330-DIN AV5 3 H S1 X</a>			-	1 phase	<a href="#">ET330</a>
		400 V	<a href="#">ET330-DIN AV5 3 H S1 X</a>			-	3 phase	
ET340	400 V	<a href="#">ET340-DIN AV2 3 X S1 X</a>			-	<a href="#">ET340</a>		
Carlo Gavazzi series 5	EM530	400 V	Yes	Yes	+	3 phase	<a href="#">EM530</a>	
	EM540	400 V	Yes	Yes	+		<a href="#">EM540</a>	

*\*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](#)