



ELECTRICITY METERING PORTOFOLIO

www.elsewedyemg.com
info@sewedy.com.eg

	1 Phase		3 Phase						
	EM101-5	EM101-4 Smart G	EM341-5D	EM341-5ID	EM341-5MV	EM341-5DLC	EM341-5ILC	EM341-4 Smart G	EM341-4 Smart G
Electrical Characteristics	Res., Comm., Ind. Low Voltage	Residential Low Voltage	Res., Comm., Ind. Low Voltage	Res., Comm., Ind. Low Voltage	Medium Voltage	Street Light Low Voltage	Street Light Low Voltage	Commercial Low Voltage	Commercial Low Voltage
Wiring	1 PH, 2 wires	1 PH, 2wires	3 PH, 4 wires	3 PH, 4 wires	3 PH, 3 wires	3 PH, 4 wires	3 PH, 4 wires	3 Ph	3 Ph
Connection	Direct	Direct	Direct	Indirect	Indirect	Direct	Indirect	Direct	Indirect
Nominal Voltage	220 V	230 V	3x 220/380 V	3x 220/380 V	3x63.5/110 V	3X220/380 V	3X220/380 V	3 x 230/400 V	230 V
Nominal Current	5A	5A	5A	1A	1A	5A	1A	10A	5A
Maximum Current	100A	60A	100A	6A	6A	100A	6A	100A	10A
Nominal Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Accuracy Class	0,5	1	0,5 active 2 reactive	0,5 active 2 reactive	0,5 active 2 reactive	0,5 active 2 reactive	0,5 active 2 reactive	0.5	0.5
Power Consumption	≤ 2W	<2W,<10VA	≤ 2W	≤ 2W	≤ 2W	≤ 2W	≤ 2W	<2W,<10VA	<2W,<10VA
Backlight of display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Calibration constant	3200 KWh	-	1000 KWh	10000 KWh	10000 KWh	1000 KWh	10000 KWh	-	-
Cut- off Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP rating	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Communication options	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
- RS-485	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
- PLC	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
- GPRS	Yes	Yes (upgradable)	Yes	Yes	Yes	Yes	Yes	Yes (upgradable)	Yes (upgradable)
- RF	Yes		Yes	Yes	Yes	Yes	Yes	-	-
- RFID	-	Yes	-	-	-	-	-	Yes	Yes
- RF Mbus	No	Yes (upgradable)	No	No	No	No	No	Yes (upgradable)	Yes (upgradable)
Load Profile registration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Backup battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery
Service Life	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years