SOLAR ELECTRIC

KOSTAL Energy Meter

Power meter - Series C



Smart connections.

Data sheet

Technical data KOSTAL Energy Meter - Series C

			KOSTAL Energy Meter - Series C [1]
System data	Compatible with inverter (only one inverter)		PIKO IQ / PLENTICORE plus / PLENTICORE BI
	Compatible with wallbox ENECTOR		---
	Rated voltage	V	max. 208/415 V~
	Operating voltage	V	120/240 V~
	Frequency range	Hz	50/60
	Power consumption		<1.3 W / 2.6 VA
	Current inputs - base current (Ib)	A	5
	Current inputs - minimum current (Imin)	A	0.25
	Current inputs - maximum current (Imax)	A	65
	Current inputs - starting current (Ist)	mA	20
	Current inputs - Overload For 10 ms		30 Imax (1950 A)
	Current inputs - input impedance	VA	< 3.4
	Current inputs - Peak factor		4 (Imax peak 92A)
	Digital output		V_{ON} 2.5 V ac/dc, max 100 mA. V_{OFF} 42 V ac/dc
	Digital input		Contact for voltage measurement: 5 V DC +/- 5%. Contact for current measurement: 5 mA max.
	Overvoltage category		III
	Pollution degree		2
	Directives/Standards		EMV, LVD, EN 62052-11, EN 61010-1
Measurement accuracy [2]	Current		From 2 A to 65 A: ± 0,5% rdg / From 0,5 A bis 2 A: ± 1% rdg
	Phase to phase voltage		From Un min. -20% to Un max. +15% : ± 0,5% rdg
	Phase to neutral voltage		From Un min. -20% to Un max. +15%: ± 0,5% rdg
	Active and apparent power		From 1-65 A (PF=0,5L - 1 - 0,8C): ± 1% rdg From 0,5-1 A (PF=1) ± 1,5% rdg
	Reactive power		Von 1-2 A (sinΦ=0,5L - 0,5C) and from 0,5-1 A (sinΦ=1): ± 2% rdg Von 2-65 A (sinΦ=0,5L- 0,5C) and from 1-65 A (PF=1): ± 2,5% rdg
	Active energy / reactive energy		Class 1 (EN62053-21) / Class 2 (EN62053-23)
	Frequency		From 45 to 65 Hz: ± 0,1% rdg
Mechanical data	Enclosure material		Housing: PBT Transparent cover: polycarbonate
	Mounting		DIN rail (3-TE module)
	Protection class - front / terminals		IP40 / IP20
	Weight	g	270
	Dimensions (H/W/D)	mm	90/53.4/62.4
	Connections	mm^2	Measuring inputs (phase 1/2/3): 2.5-16 Neutral: 0.06-2.5 Inputs, outputs and communication: 0.2-1.5
	Torque	Nm	Measuring inputs (phase 1/2/3): 2.5 Neutral: 0.5 Inputs, outputs and communication: 0.4
Conditions	Operating temperature	°C	-25 ... 55
	Storage temperature	°C	-25 ... 70
	Relative humidity (non-condensing)	%	90
	Max. Altitude during operation above sea level	m	2000

[1] 2-year warranty. This does not affect your statutory warranty.

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Subject to technical changes. Errors excepted. You can find current information at www.kostal-solar-electric.com. Manufacturer: KOSTAL Industrie Elektrik GmbH, Hagen, Germany