

INGECON SUN STORAGE 1PLAY TL M

LIST OF APPROVED POWER METERS

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1 INTRODUCTION

The power meters of the following manufactures are approved for the Ingeteam Storage System with the INGECON SUN STORAGE 1PLAY TL M (Multi-string).



2 LIST OF APPROVED POWER METERS

Manufacturer	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi
Reference	EM24-DIN AV9 3 X IS X	EM340-DIN AV2 3 X S1 X	EM540-DIN AV2 3 X S1 X	ET112-DIN AV0 1 X S1 X	EM112-DIN AV0 1 X S1 X	EM111-DIN AV8 1 X S1 X	EM111-DIN AV5 1 X S1 X + CTA5X100A5A
Energy Analyzer							
Dimensions (WxHxD)	71,6 x 66 x 90mm 4-DIN module	54 x 63 x 91mm 3-DIN module	54 x 63 x 90 mm 3-DIN module	35 x 63 x 90mm 2-DIN module	35 x 63 x 90mm 2-DIN module	17,5 x 63 x 91,5mm 1-DIN module	17,5 x 63 x 91,5mm 1-DIN module
Phase	3 ~ Phase	3 ~ Phase	3 ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase
Connection	Direct	Direct	Direct	Direct	Direct	Direct	Current Transformer CTA5X100A5A
Maximum Current	65 A	65 A	65 A	100 A	100 A	45 A	100 A (Precision Class 3)
Display / refresh time	✓ / 750ms	✓ / 2,6sec	✓ / 500ms	✗ / 1,6sec	✓ / 1,8sec	✓ / 2sec	✓ / 1,8sec
Cable section area	2,5mm ² - 16mm ²	2,5mm ² - 16mm ²	2,5mm ² - 16mm ²	5mm ² - 25mm ²	5mm ² - 25mm ²	6mm ²	24mm Φ
RS485 serial port	Terminal Block	Terminal Block	Terminal Block	Terminal Block / RJ11	Terminal Block	Terminal Block	Terminal Block

Manufacturer	Janitza	SOCOMEK	SOCOMEK
Reference	MPA-1-667	COUNTIS E03	COUNTIS E13
Energy Analyzer			
Dimensions (WxHxD)	36 x 63 x 99mm 2-DIN module	18 x 64 x 90mm 1-DIN module	36 x 64 x 90mm 2-DIN module
Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase
Connection	Direct	Direct	Direct
Maximum Current	100 A	40 A	80 A
Display / refresh time	✓ / 2,6sec	✓ / 2sec	✓ / 2sec
Cable section area	5mm ² - 25mm ²	1,5mm ² - 6mm ²	1,5mm ² - 35mm ²
RS485 serial port	Terminal Block	Terminal Block	Terminal Block

3 REVISION HISTORY

Revision	Date	Change Description	Author
_	23/03/2020	Initial document	D.B.R.
_A	26/01/2021	New power meters added: <ul style="list-style-type: none">- Janitza MPA-1-667- Socomec Countis E03 and E13- KLEFR 6914, 6924 and 6934	D.B.R.
_B	02/03/2021	Refresh time of the data is added in the specification	D.B.R.
_C	10/02/2022	Removed KLEFR 6914 / 6924 / 6934 (not supported) Refresh time of the data is updated	D.B.R.
_D	16/08/2022	New power meter added: Carlo Gavazzi EM540	J.E.A.
_E	23/12/2022	Carlo Gavazzi EM540 reference fixed	J.E.A.