

## INGECON SUN STORAGE 1PLAY TL M

### LIST OF APPROVED POWER METERS

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## 1 INTRODUCTION

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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

<b>Manufacturer</b>	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi	Carlo Gavazzi
<b>Reference</b>	EM24-DIN AV9 3 X IS X	EM340-DIN AV2 3 X S1 X	EM540-DIN AV2 3 X S1 X	EM24-DIN AV2 3 X E1 X	ET112-DIN AV0 1 X S1 X	EM112-DIN AV0 1 X S1 X	EM111-DIN AV8 1 X S1 X
<b>Energy Analyzer</b>							
<b>Dimensions (WxHxD)</b>	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	71,6 x 66 x 90mm 4-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
<b>Phase</b>	3 ~ Phase	3 ~ Phase	3 ~ Phase	3 ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase
<b>Connection</b>	Direct	Direct	Direct	Direct	Direct	Direct	Direct
<b>Maximum Current</b>	65 A	65 A	65 A	65 A	100 A	100 A	45 A
<b>Cable section area</b>	2,5mm <sup>2</sup> - 16mm <sup>2</sup>	2,5mm <sup>2</sup> - 16mm <sup>2</sup>	2,5mm <sup>2</sup> - 16mm <sup>2</sup>	2,5mm <sup>2</sup> - 16mm <sup>2</sup>	5mm <sup>2</sup> - 25mm <sup>2</sup>	5mm <sup>2</sup> - 25mm <sup>2</sup>	6mm <sup>2</sup>
<b>Communication port</b>	RS485	RS485	RS485	Ethernet (RJ45)	RS485 (RJ11)	RS485	RS485

<b>Manufacturer</b>	Carlo Gavazzi	Janitza	SOCOME C	SOCOME C	Carlo Gavazzi	Weidmuller	Weidmuller
<b>Reference</b>	EM111-DIN AV5 1 X S1 X + CTA5X100A5A	MPA-1-667	COUNTIS E03	COUNTIS E13	EM511-DIN AV8 1 X S1 X	EM111-RTU-2P 7760051001	EM122-RTU-2P 7760051003
<b>Energy Analyzer</b>							
<b>Dimensions (WxHxD)</b>	17,5 x 63 x 91,5mm 1-DIN module	36 x 63 x 99mm 2-DIN module	18 x 64 x 90mm 1-DIN module	36 x 64 x 90mm 2-DIN module	18 x 58 x 90mm 1-DIN module	17,5 x 62 x 90mm 1-DIN module	72 x 66 x 100mm 4-DIN module
<b>Phase</b>	Single ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase	Single ~ Phase	3 ~ Phase
<b>Connection</b>	Current Transformer CTA5X100A5A	Direct	Direct	Direct	Direct	Direct	Direct
<b>Maximum Current</b>	100 A (Precision Class 3)	100 A	40 A	80 A	45 A	45 A	100 A
<b>Cable section area</b>	24mm $\Phi$	5mm <sup>2</sup> - 25mm <sup>2</sup>	1,5mm <sup>2</sup> - 6mm <sup>2</sup>	1,5mm <sup>2</sup> - 35mm <sup>2</sup>	2,5mm <sup>2</sup> - 10mm <sup>2</sup>	2,5mm <sup>2</sup> - 10mm <sup>2</sup>	2,5mm <sup>2</sup> - 25mm <sup>2</sup>
<b>Communication port</b>	RS485	RS485	RS485	RS485	RS485	RS485	RS485

## 3 REVISION HISTORY

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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"><li>- Janitza MPA-1-667</li><li>- Socomec Countis E03 and E13</li><li>- KLEFR 6914, 6924 and 6934</li></ul>	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.
_F	25/01/2024	Carlo Gavazzi EM24DINAV23XE1X reference added	D.B.R.
_G	11/04/2024	New power meters added: <ul style="list-style-type: none"><li>- Carlo Gavazzi EM511DINAV81XS1X</li><li>- Weidmuller EM111-RTU-2P (7760051001)</li><li>- Weidmuller EM122-RTU-2P (7760051003)</li></ul>	S.R.B.