

Notes

MV line 1 characteristics:

MV level (20.0 kVac):

- Total number of PSs: 1
- Rated power: 4.6 MVA
- MV cables total length: 1713.63 m

LV AC level (630.0 Vac):

- Inverter: Generic (default) Generic 2310
- Rated power: 2310.0 kVA - 2310.0 kWac
- Total number of inverters: 2

LV DC level (1140.4 Vdc):

- Module: Generic (default) General610
- Modules per string: 25 modules of 610.0 W
- Low voltage configuration: STRING BOX
- Total number of string boxes: 26
- Total number of strings: 371

*The distribution of LV cable sections is representative of the plant.

Legend

Input cubicles

Voltage detector

Earthing disconnector

On-load disconnector

Vacuum breaker

Transformer

Inverter

Fuse

Surge arrester

String of 25 modules connected to the string box

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REV	DESCRIPTION	BY	DATE

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PROJECT:

Webinar Amperecloud

DRAWING:

String box Single Line Diagram 1

SCALE:

Not to scale

SHEET:

1 / 4

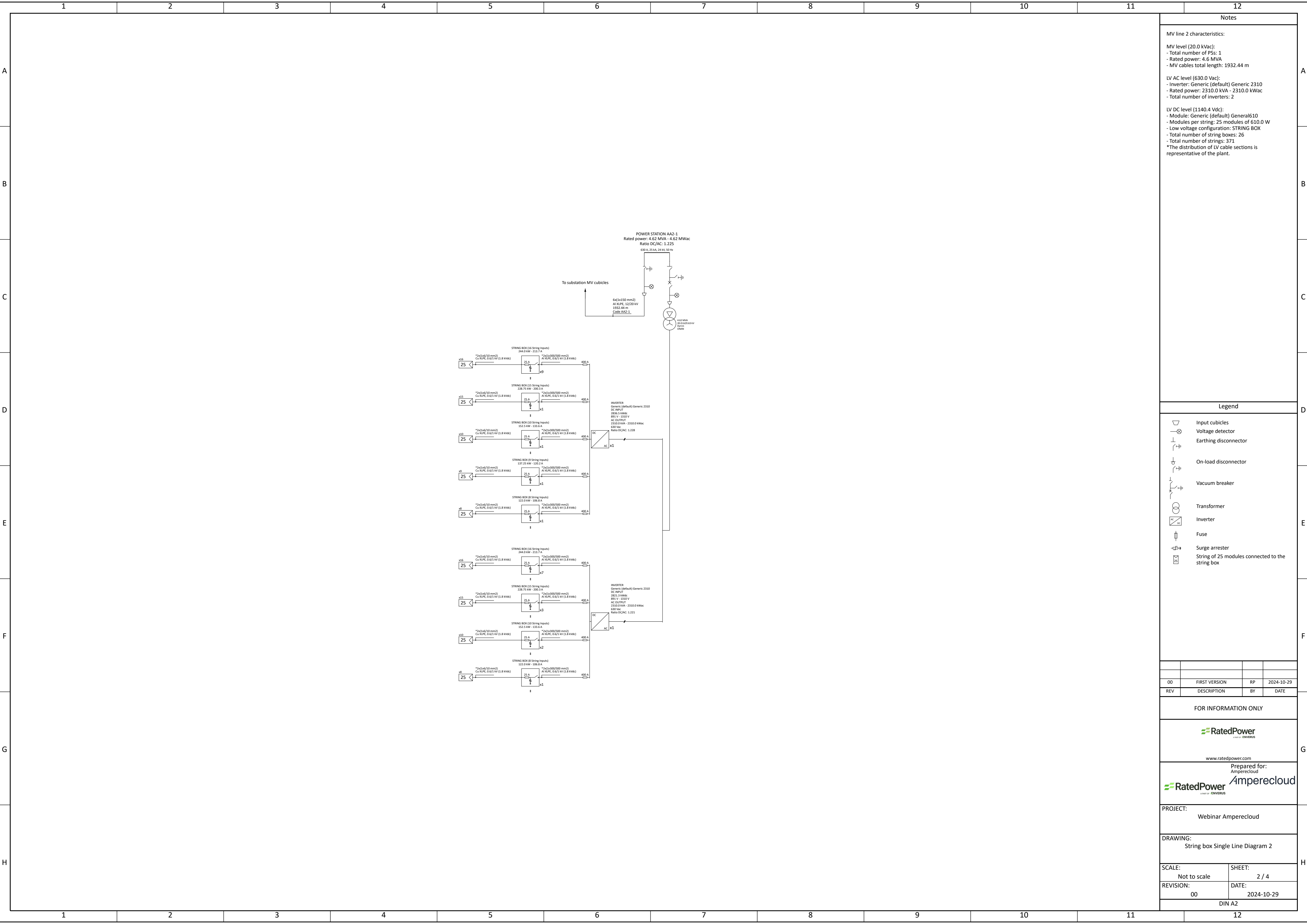
REVISION:

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2024-10-29

DIN A2



Notes

MV line 2 characteristics:

MV level (20.0 kVac):

- Total number of PSs: 1
- Rated power: 4.6 MVA
- MV cables total length: 1932.44 m

LV AC level (630.0 Vac):

- Inverter: Generic (default) Generic 2310
- Rated power: 2310.0 kVA - 2310.0 kWac
- Total number of inverters: 2

LV DC level (1140.4 Vdc):

- Module: Generic (default) General610
- Modules per string: 25 modules of 610.0 W
- Low voltage configuration: STRING BOX
- Total number of string boxes: 26
- Total number of strings: 371

*The distribution of LV cable sections is representative of the plant.

Legend	
	Input cubicles
	Voltage detector
	Earthing disconnector
	On-load disconnector
	Vacuum breaker
	Transformer
	Inverter
	Fuse
	Surge arrester
	String of 25 modules connected to the string box

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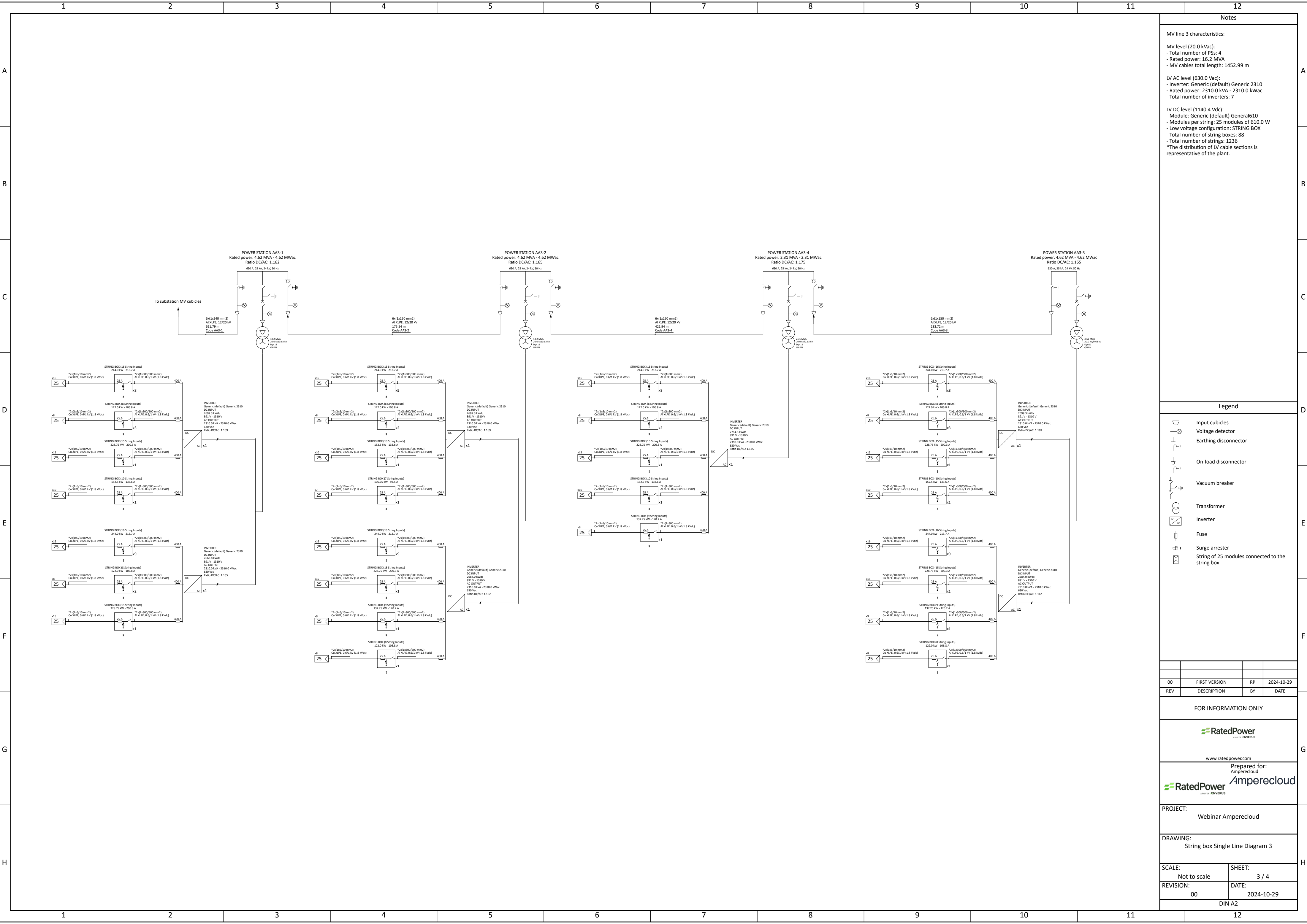
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DRAWING:
String box Single Line Diagram 2

SCALE: Not to scale	SHEET: 2 / 4
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Notes

MV line 3 characteristics:

MV level (20.0 kVac):

- Total number of PSs: 4
- Rated power: 16.2 MVA
- MV cables total length: 1452.99 m

LV AC level (630.0 Vac):

- Inverter: Generic (default) Generic 2310
- Rated power: 2310.0 kVA - 2310.0 kWac
- Total number of inverters: 7

LV DC level (1140.4 Vdc):

- Module: Generic (default) General610
- Modules per string: 25 modules of 610.0 W
- Low voltage configuration: STRING BOX
- Total number of string boxes: 88
- Total number of strings: 1236

*The distribution of LV cable sections is representative of the plant.

Legend

Input cubicles

Voltage detector

Earthing disconnector

On-load disconnector

Vacuum breaker

Transformer

Inverter

Fuse

Surge arrester

String of 25 modules connected to the string box

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DRAWING:
String box Single Line Diagram 3

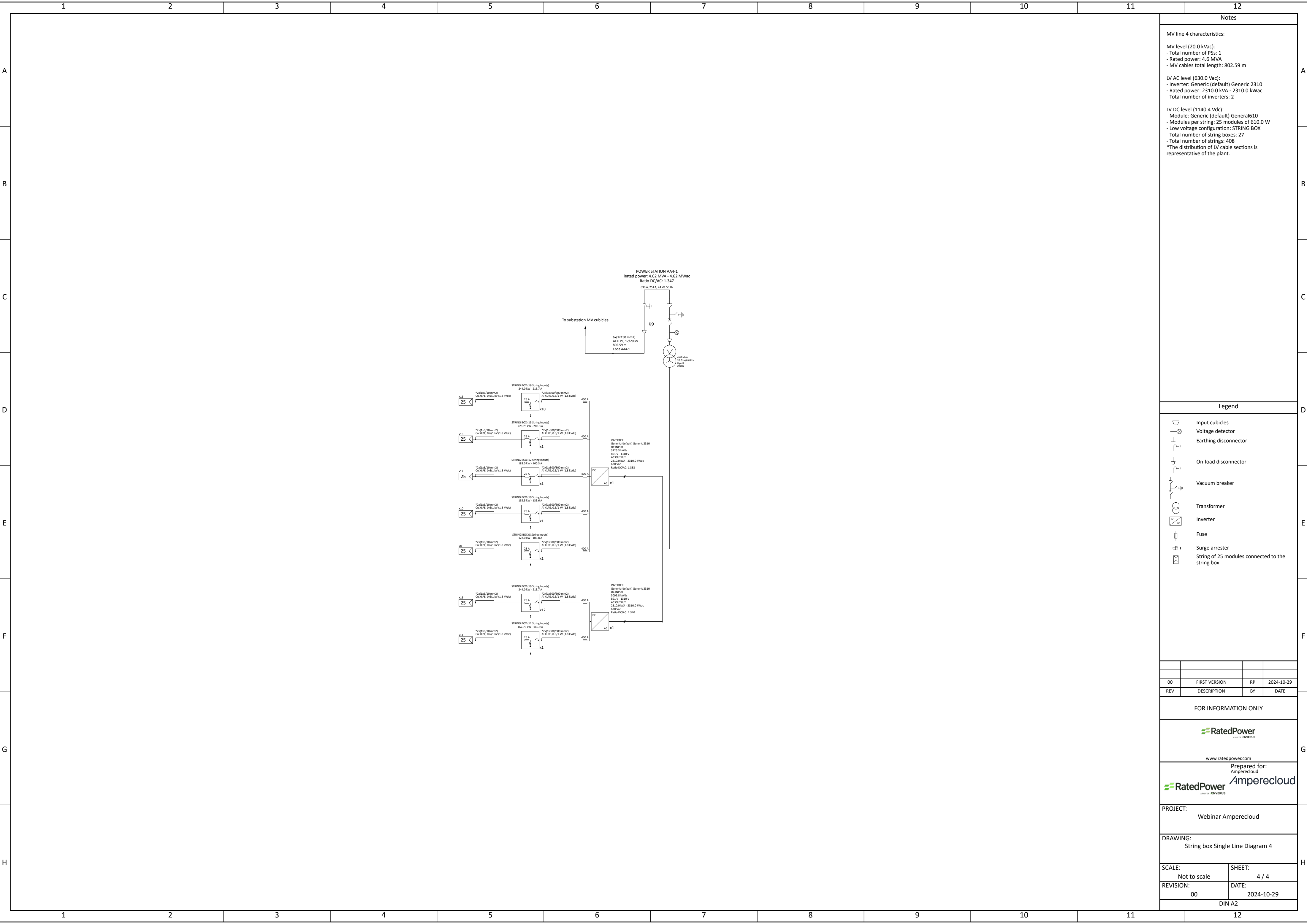
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Notes

MV line 4 characteristics:

MV level (20.0 kVac):

- Total number of PSs: 1
- Rated power: 4.6 MVA
- MV cables total length: 802.59 m

LV AC level (630.0 Vac):

- Inverter: Generic (default) Generic 2310
- Rated power: 2310.0 kVA - 2310.0 kWac
- Total number of inverters: 2

LV DC level (1140.4 Vdc):

- Module: Generic (default) General610
- Modules per string: 25 modules of 610.0 W
- Low voltage configuration: STRING BOX
- Total number of string boxes: 27
- Total number of strings: 408

*The distribution of LV cable sections is representative of the plant.

Legend

Input cubicles

Voltage detector

Earthing disconnector

On-load disconnector

Vacuum breaker

Transformer

Inverter

Fuse

Surge arrester

String of 25 modules connected to the string box

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String box Single Line Diagram 4

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