

## Sample Schematics

Sample single line diagrams showing the configuration of typical embedded generation systems connected to the Ausgrid network.

These schematics are provided as a guide, and specific requirements for a particular installation are subject to our connection process and requirements, and will depend on local conditions as well as how the generator will be operated.

Actual electrical installation details, including exact location of circuit breakers, device sensing, and tripping arrangements, will have some site-specific variations from the given diagrams.

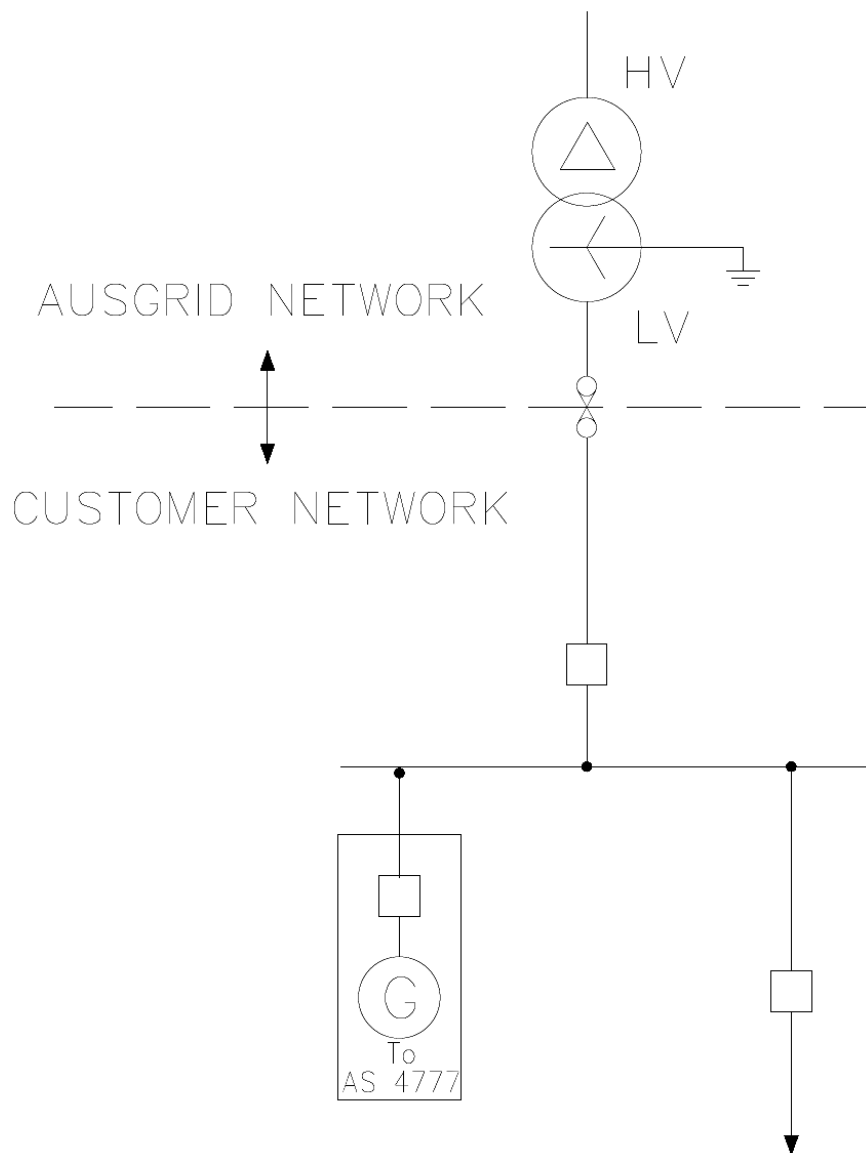
## INDEX

Schematic	Voltage	Export	Intertrip
IES 1	LV	✓	✗
IES 2.1	LV	✓	✗
IES 2.2	LV	✓	✗
IES 2.3	LV	✓	✗
IES 2.4*	LV	✓	✗
IES 3	HV	✓	✗
IES 4	LV	✓	✓
IES 5.1	HV	✓	✗
IES 5.2	HV	✓	✓
IES 6.1	LV	✗	✗
IES 6.2	HV	✗	✗
RM 7.1	LV	✓	✗
RM 7.2	LV	✓	✓
RM 8.1	HV	✓	✗
RM 8.2	HV	✓	✓
RM 9.1	LV	✗	✗
RM 9.2	HV	✗	✗

Inverter Energy Systems (IES)

Rotating Machine (RM) (not connected via an inverter)

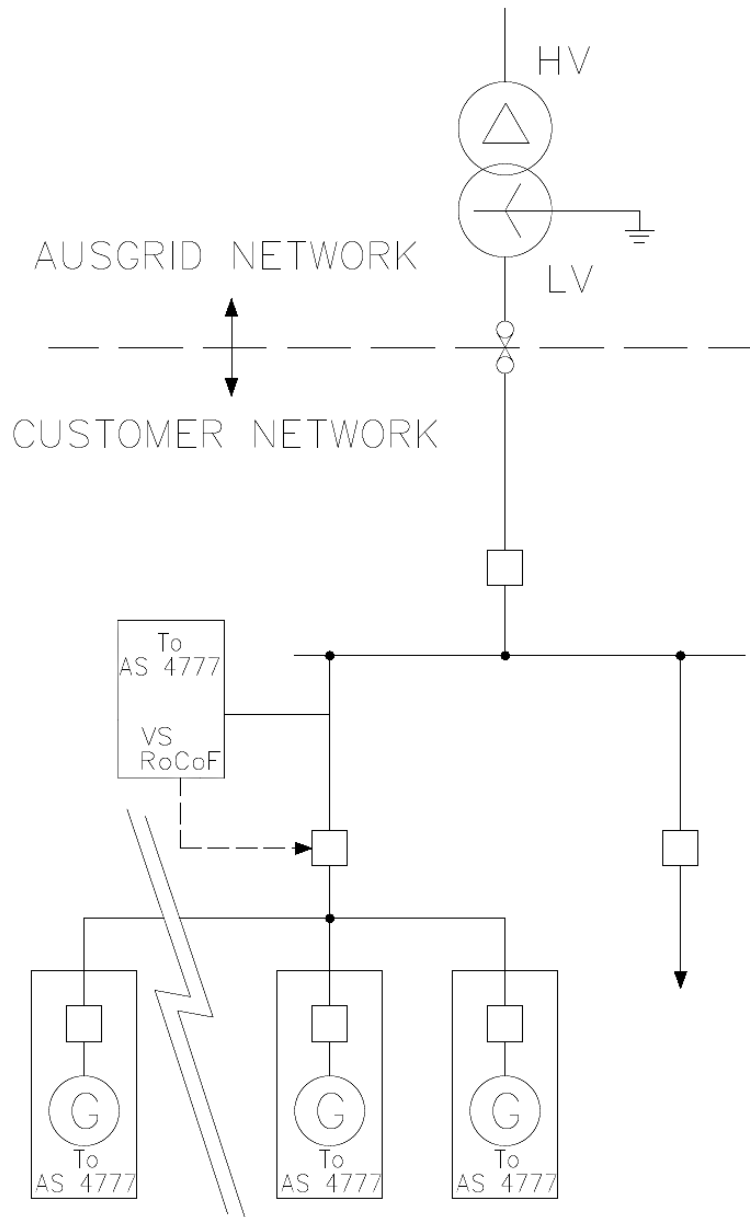
\*Configuration is no longer accepted but provided for historical reference



## Schematic IES 1

Inverter energy system (IES) less than 30kVA

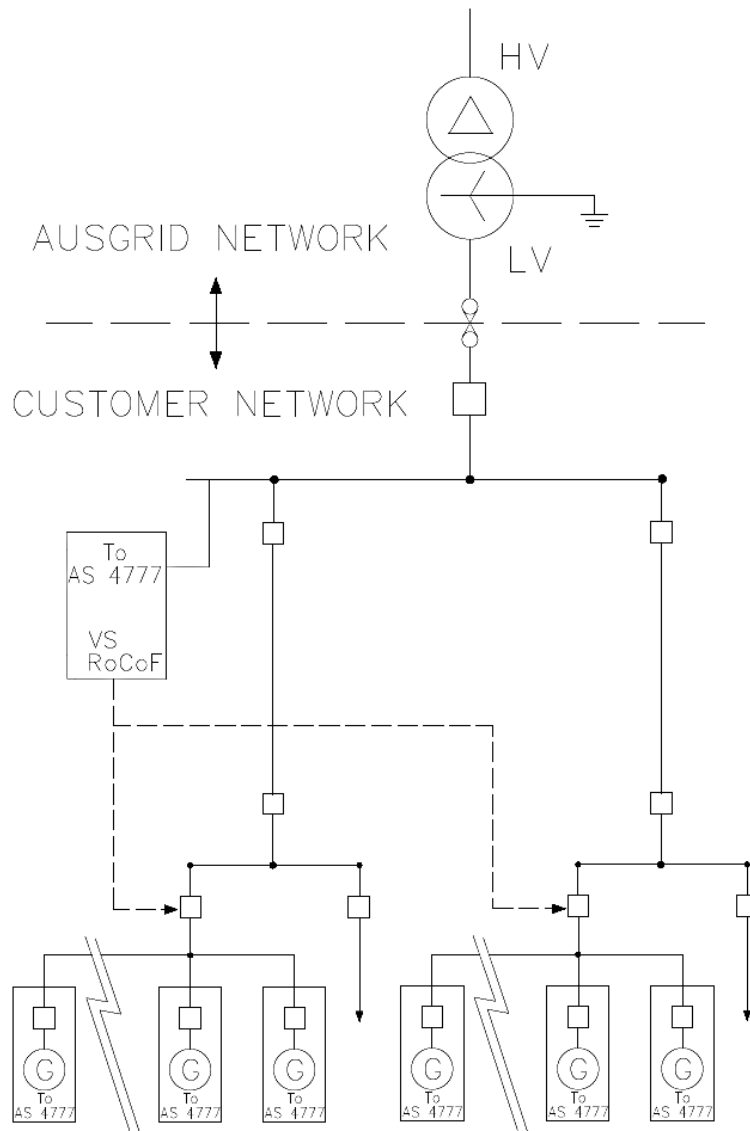
Low voltage



## Schematic IES 2.1

Inverter energy system (IES) greater than 30kVA

Low voltage export simple

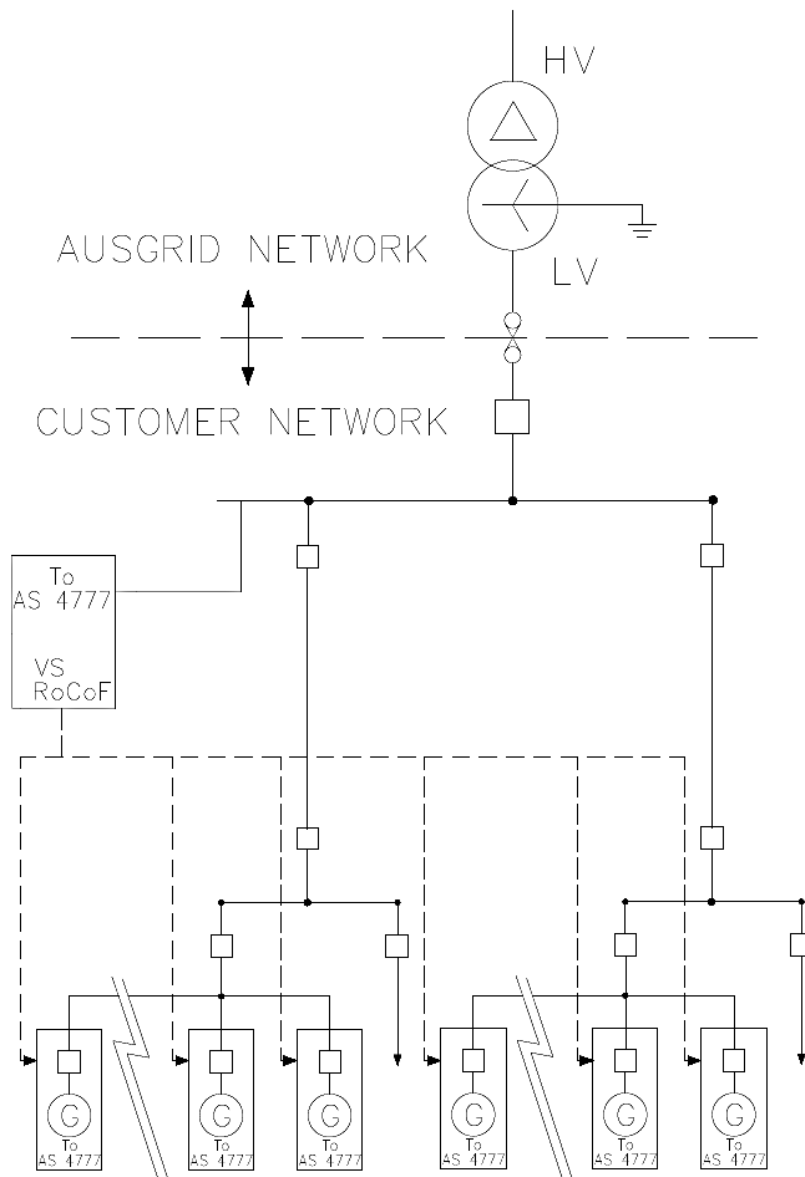


## Schematic IES 2.2

Inverter energy system (IES) greater than 30kVA

Low voltage export

Distributed Site

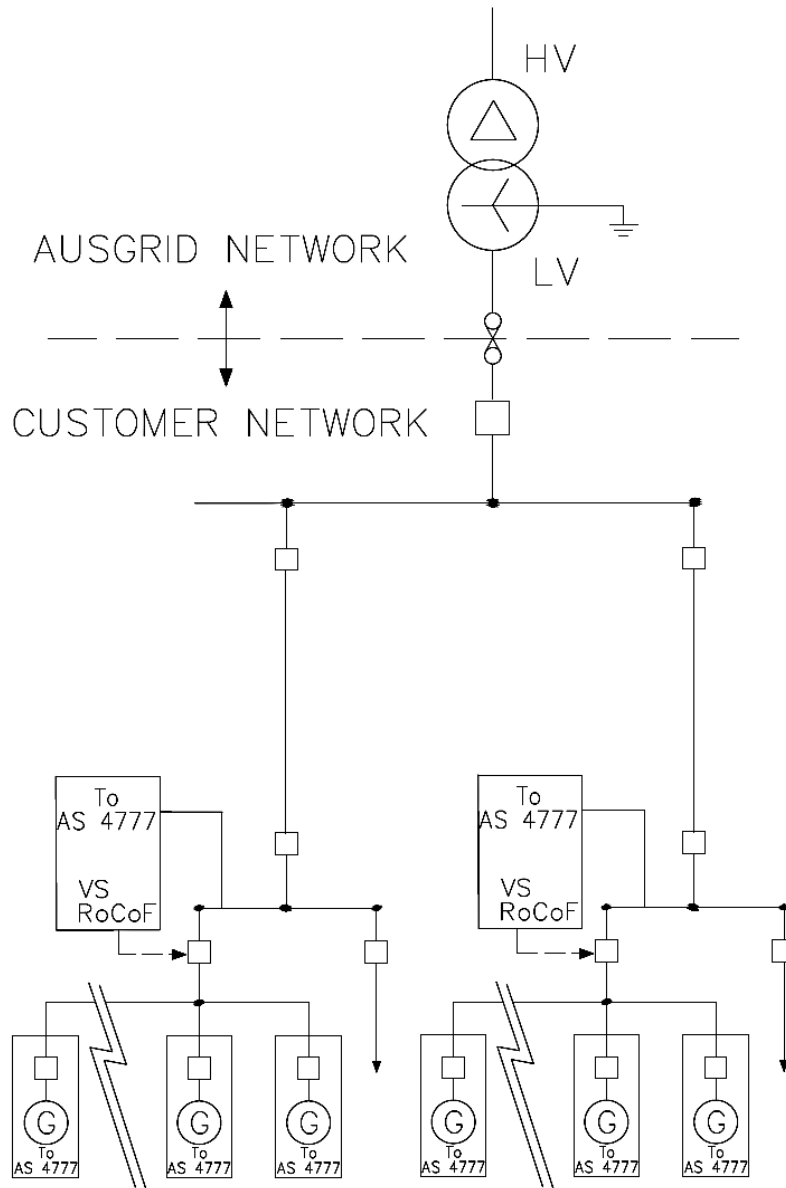


### Schematic IES 2.3

Inverter energy system (IES) greater than 30kVA

Low voltage export

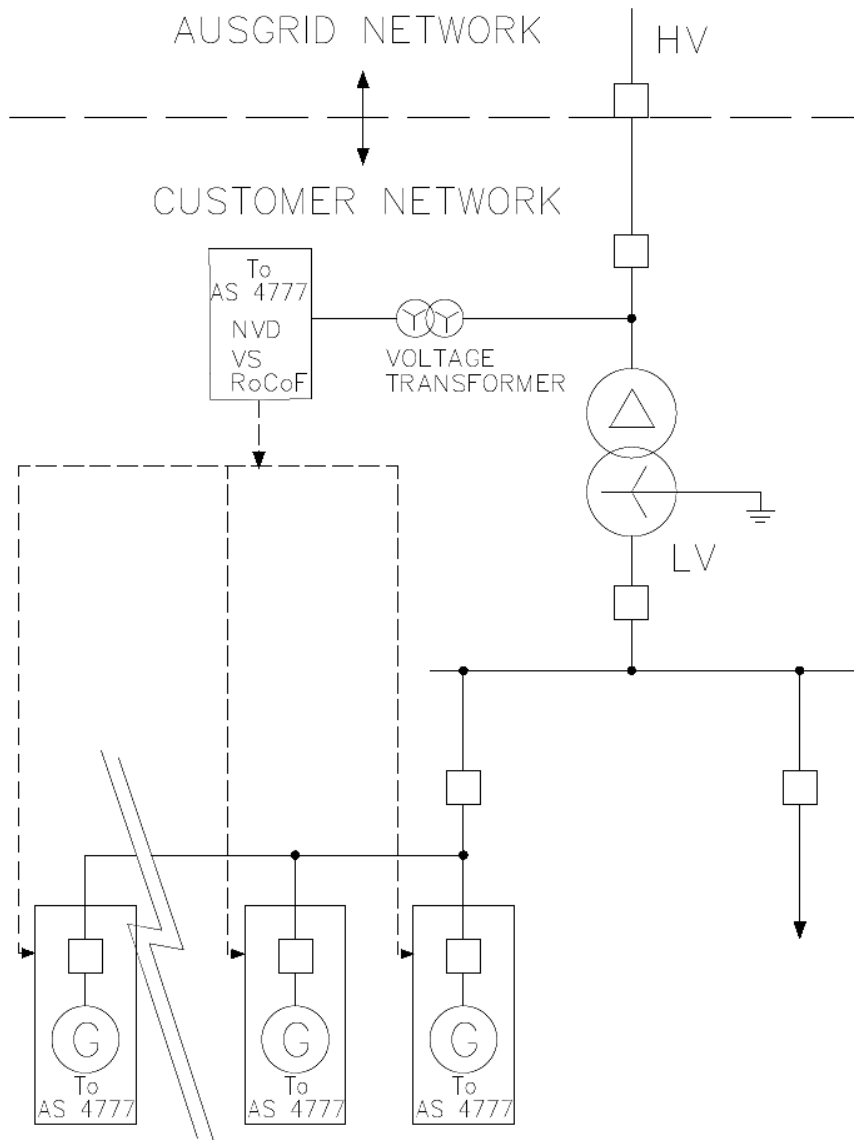
Distributed Site



## Schematic IES 2.4 (NO LONGER ACCEPTED)

Inverter energy system (IES) greater than 30kVA  
Low voltage export, Distributed Site

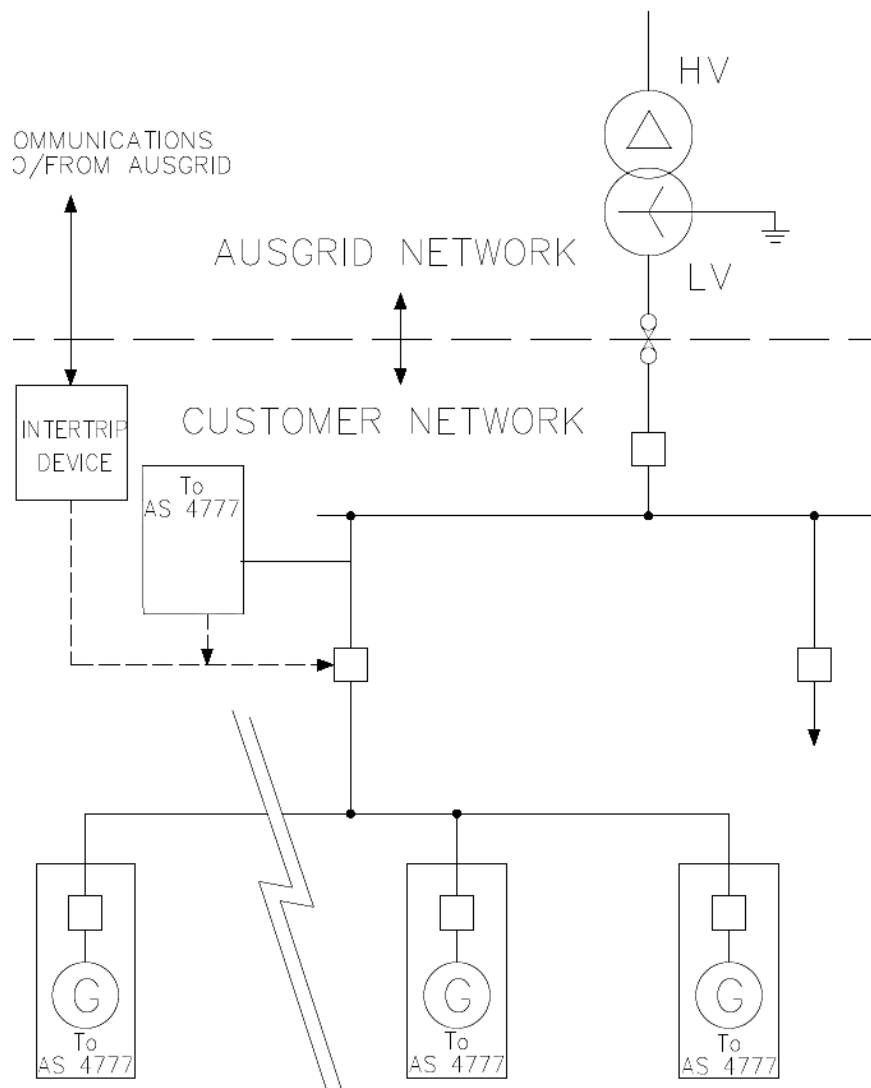
**\*\*\*This configuration is no longer accepted\*\*\***



### Schematic IES 3

Inverter energy system (IES) greater than 30kVA

High voltage export

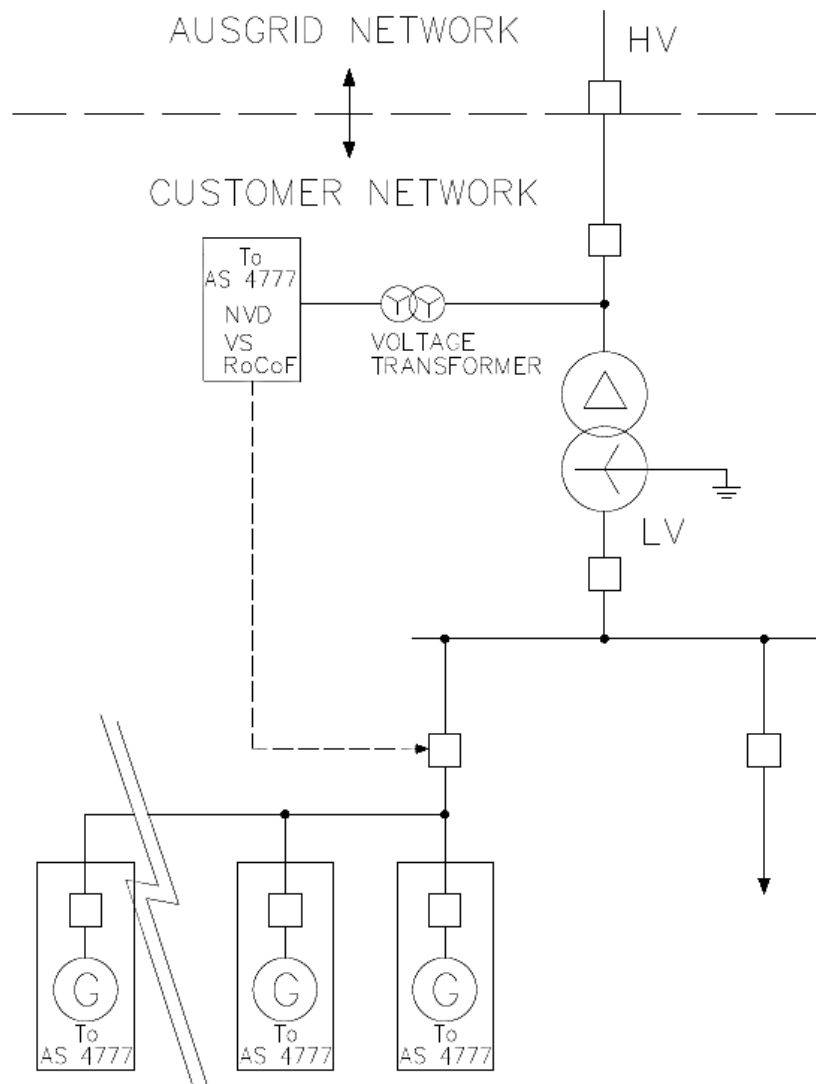


## Schematic IES 4

Inverter energy system (IES) greater than 30kVA

Low voltage export with Intertrip

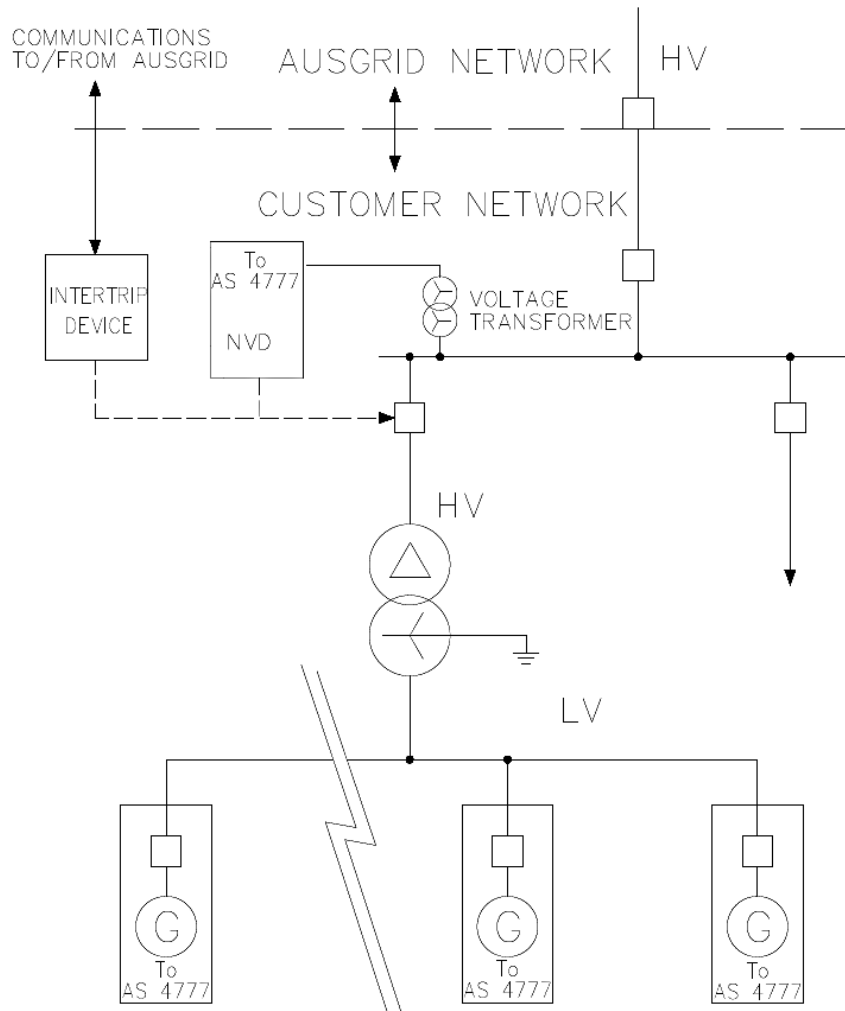




## Schematic IES 5.1

Inverter energy system (IES) greater than 30kVA

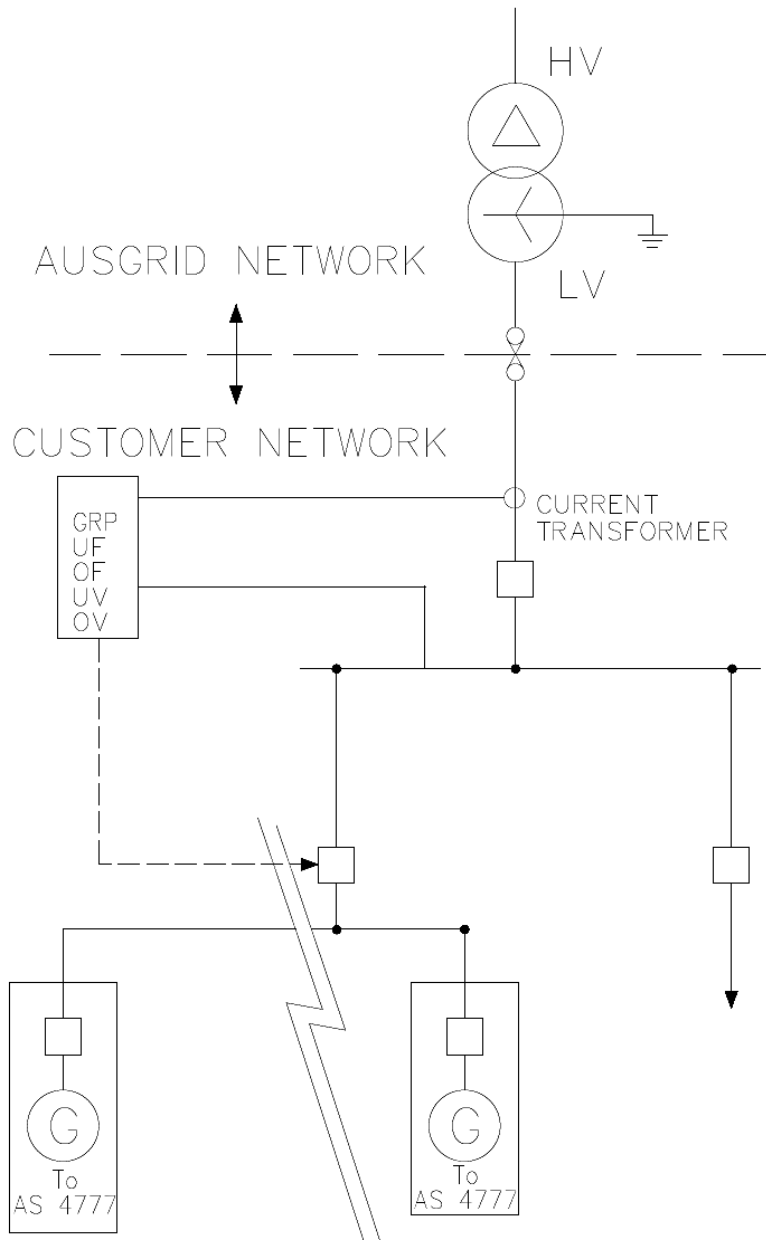
High voltage export, no intertrip



## Schematic IES 5.2

Inverter energy system (IES) greater than 30kVA

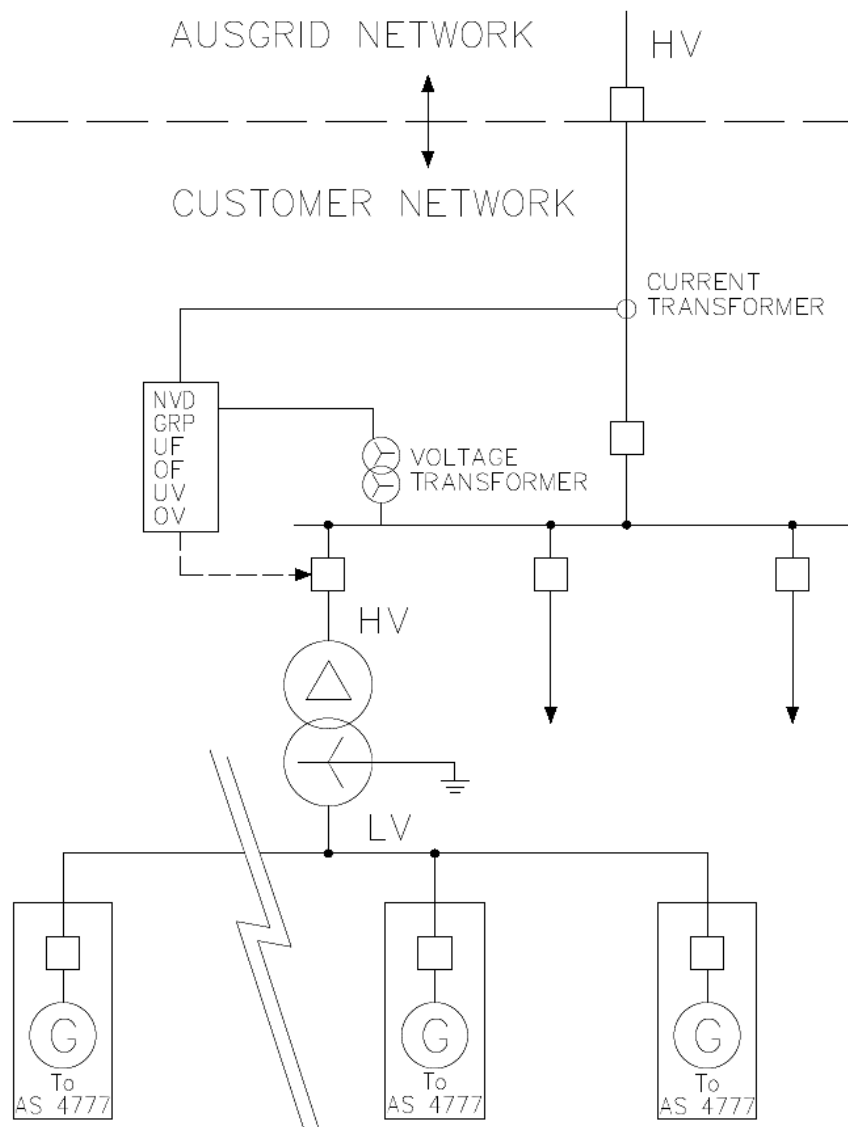
High voltage export with intertrip



## Schematic IES 6.1

Inverter energy system (IES)

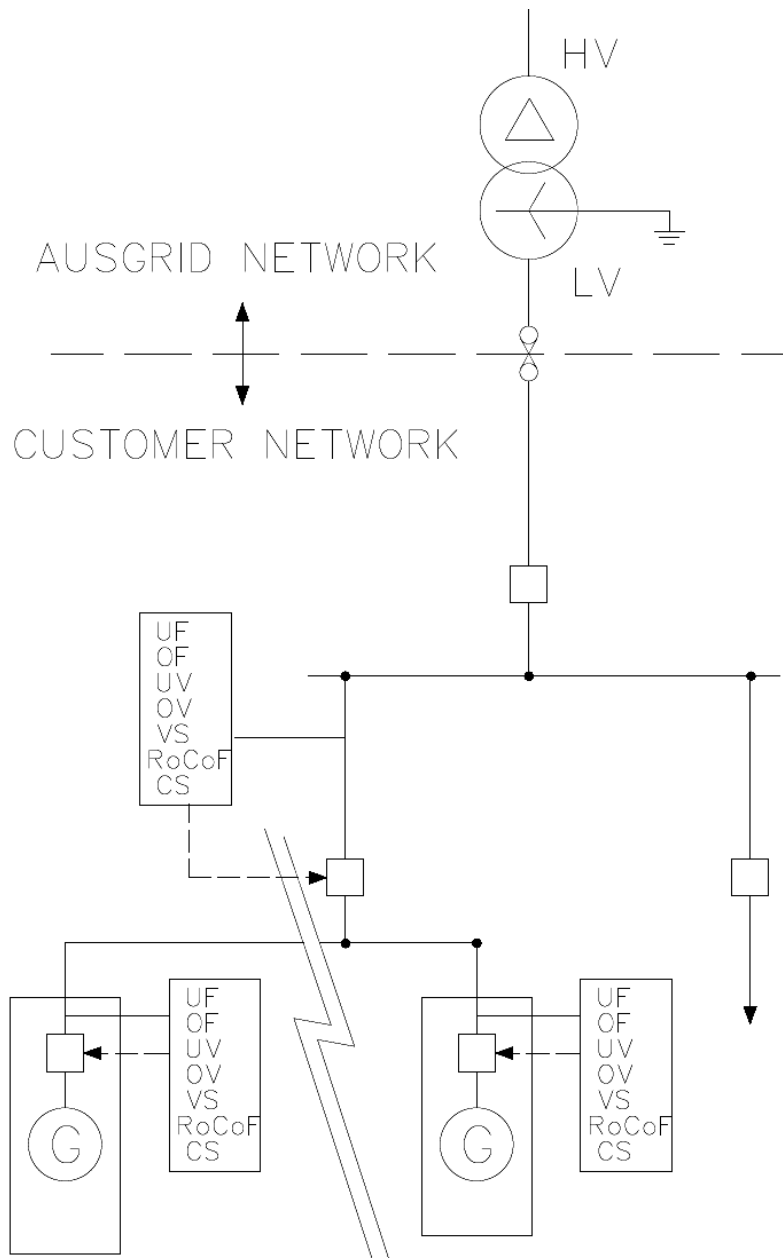
Low voltage no export



## Schematic IES 6.2

Inverter energy system (IES)

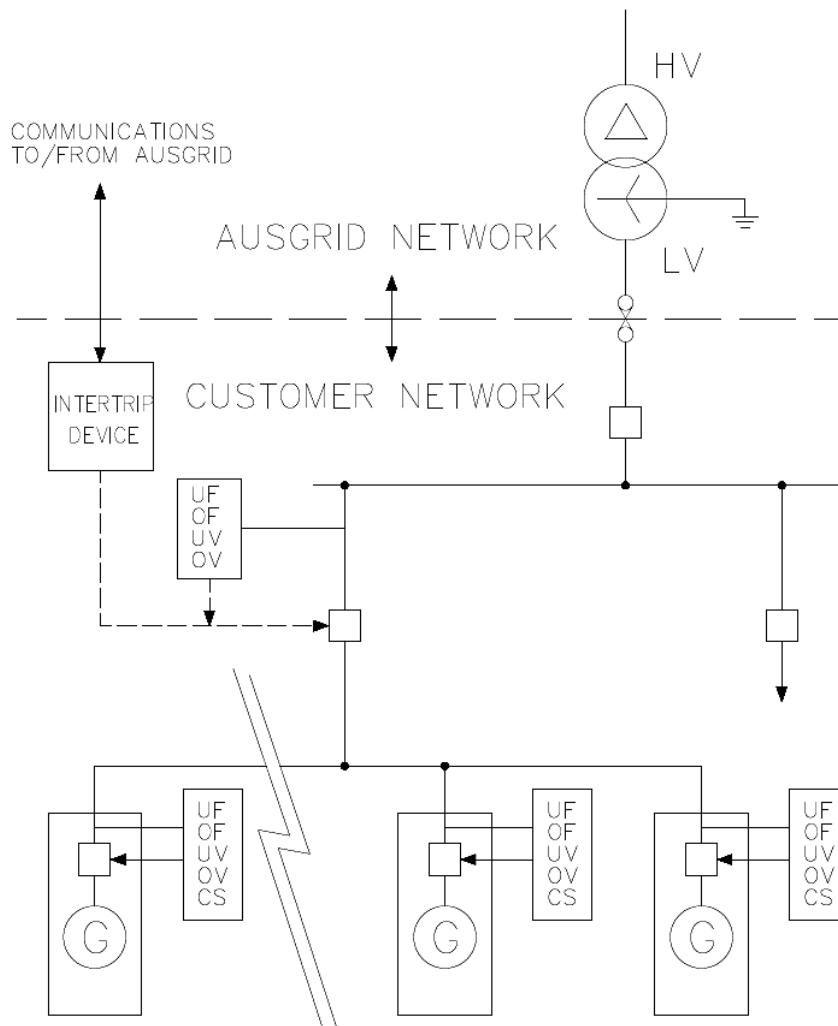
High voltage no export



## Schematic RM 7.1

Rotating Machine

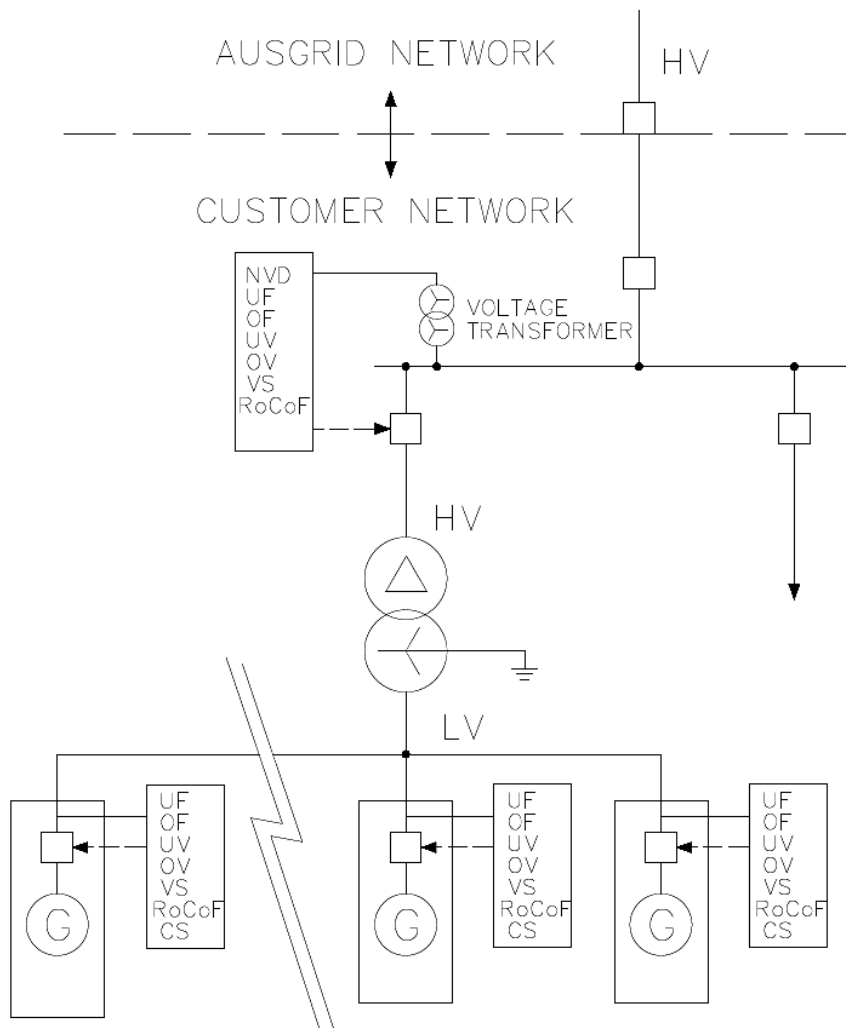
Low voltage export, no intertrip



## Schematic RM 7.2

Rotating Machine

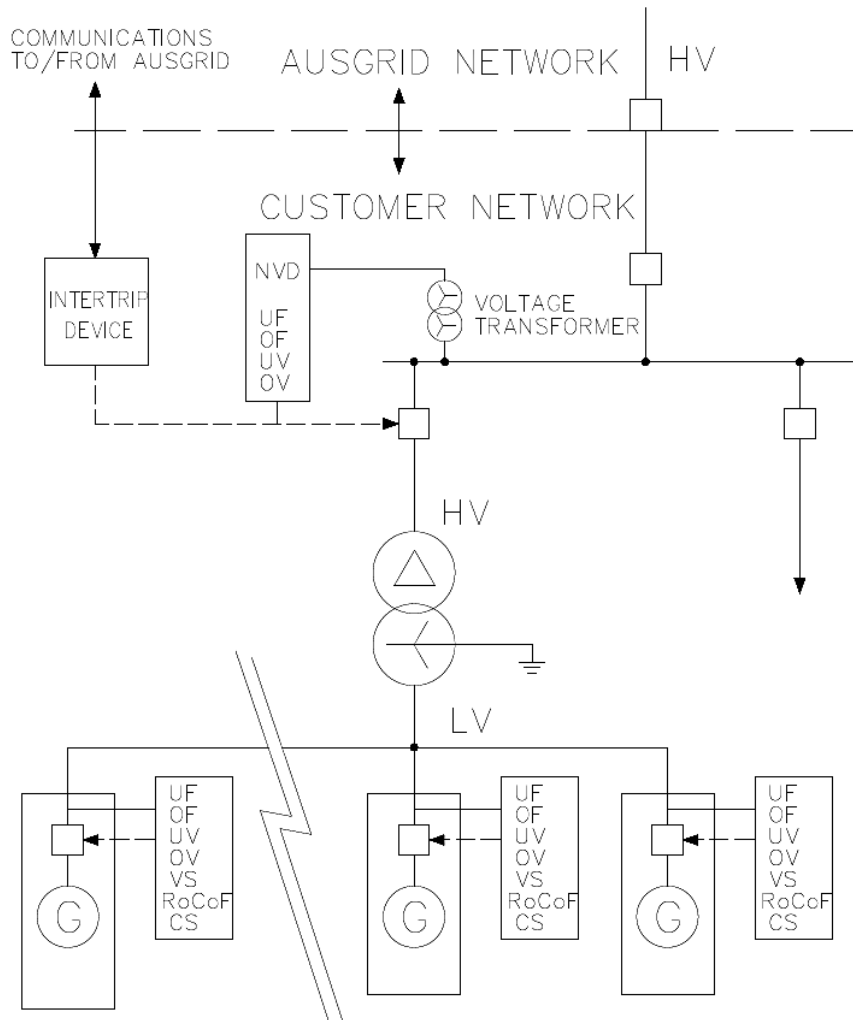
Low voltage export with intertrip



## Schematic RM 8.1

Rotating Machine

High voltage export, no intertrip

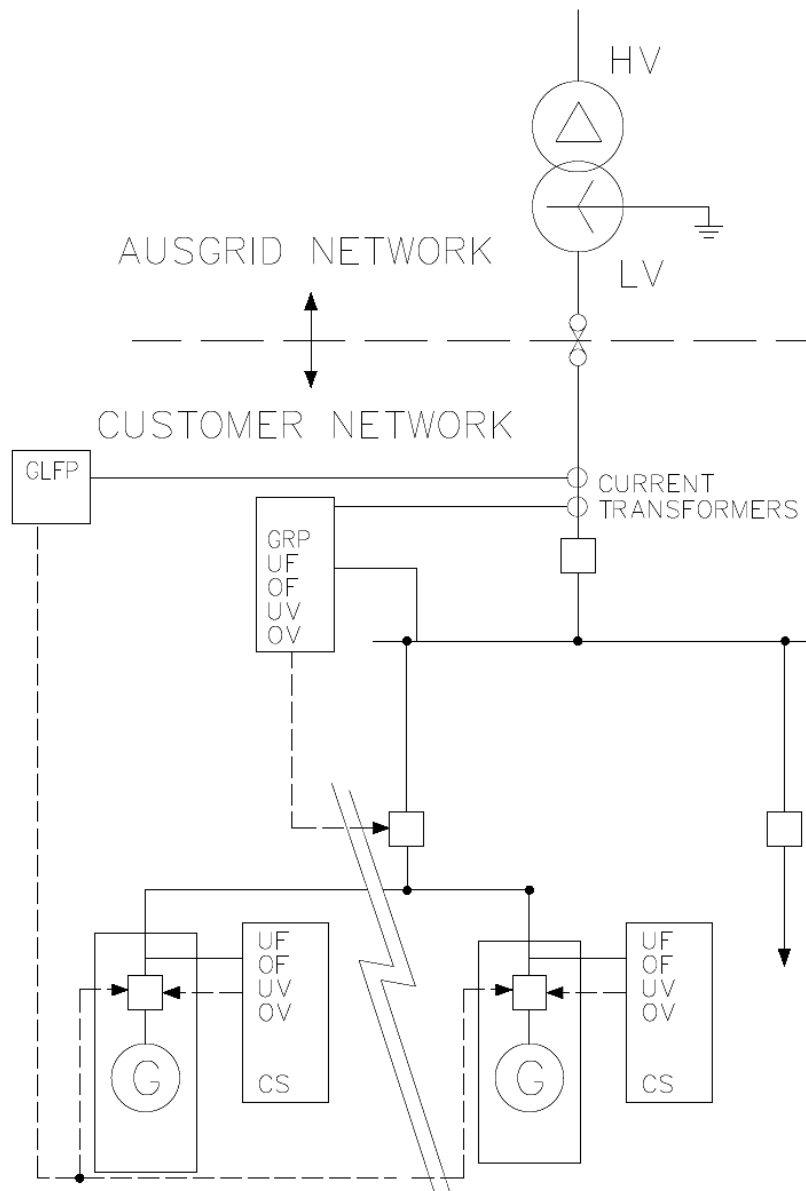


## Schematic RM 8.2

Rotating Machine

High voltage export with intertrip

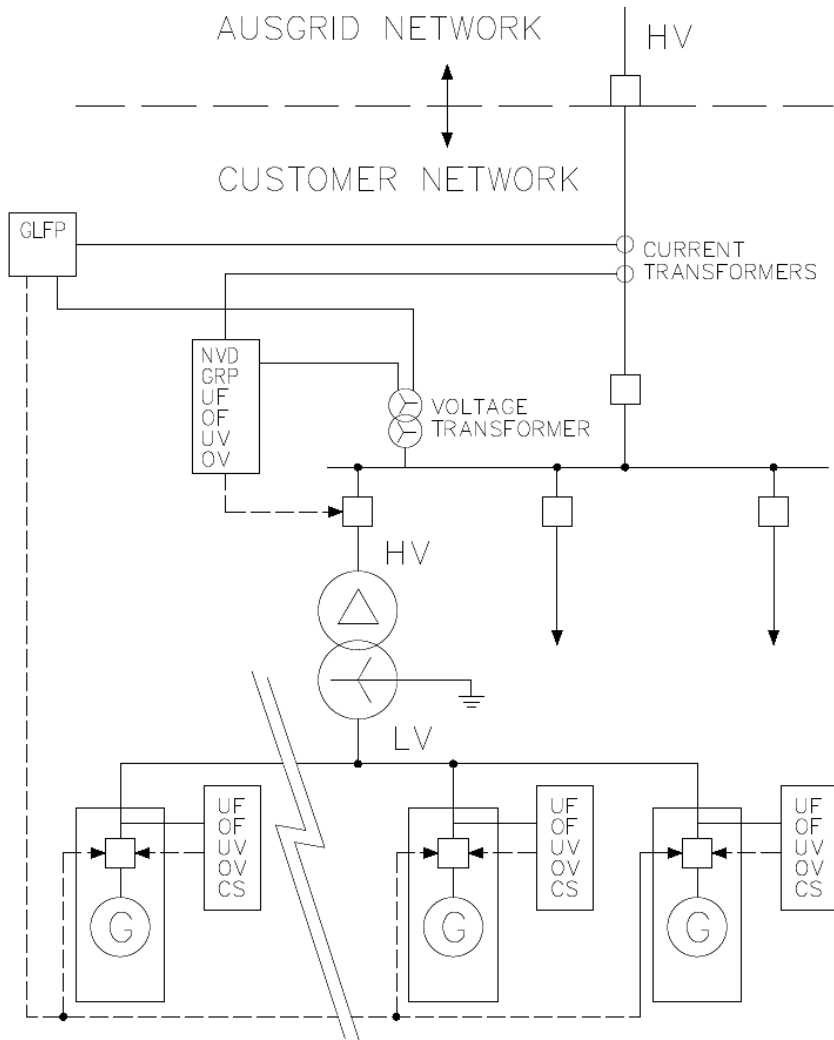




## Schematic RM 9.1

Rotating Machine

Low voltage no export



## Schematic RM 9.2

Rotating Machine

High voltage no export