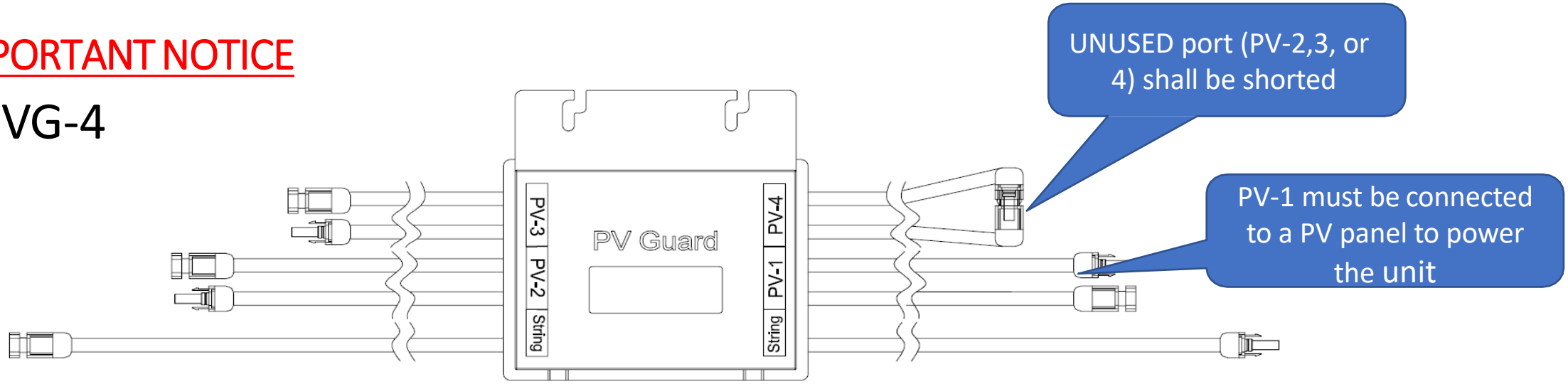
IMPORTANT NOTICE

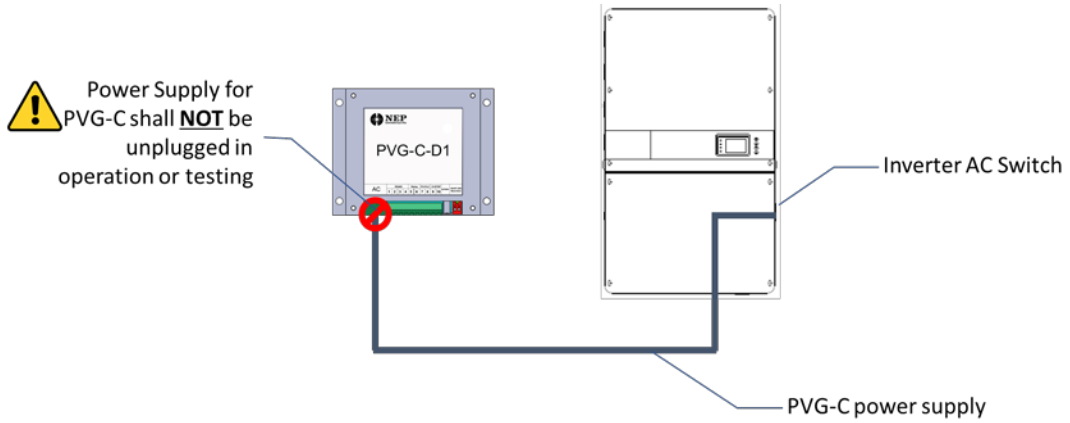
- PVG-4



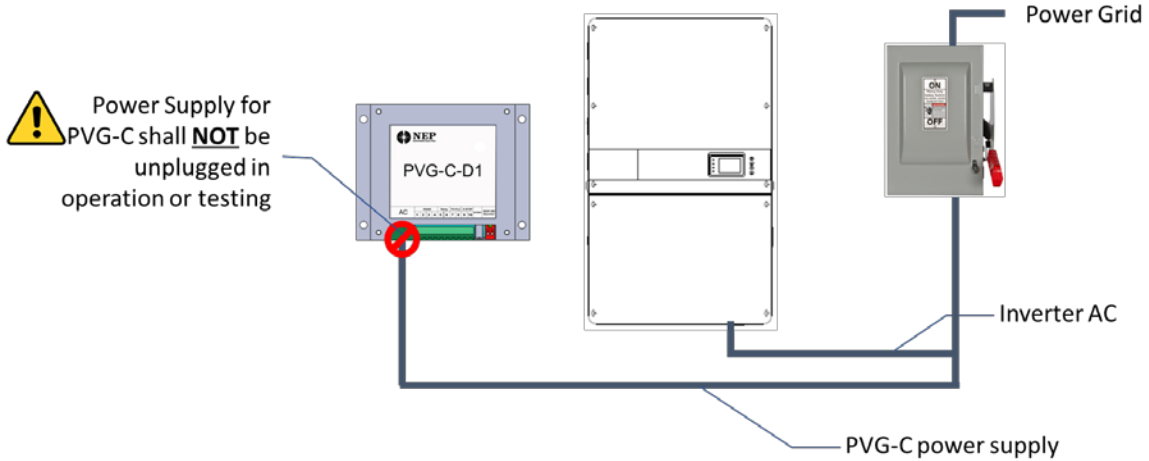
- While plugging or unplugging a PVG in a system, string fuse must be open and there should be no current on PV cables.
- PVG is a device with memory. If the last state of a PVG is unknown, please test and confirm it is OFF before wiring. ON state PVGs may result in high voltage on the PV strings.
  - ✓PVG string voltage = 0.6V (OFF)
- Commissioning: Always turn-on inverter DC switch before AC switch
- Testing: Inverter AC shall be switched off before PVG controller is switched off

IMPORTANT NOTICE (Connecting external PVG-C)

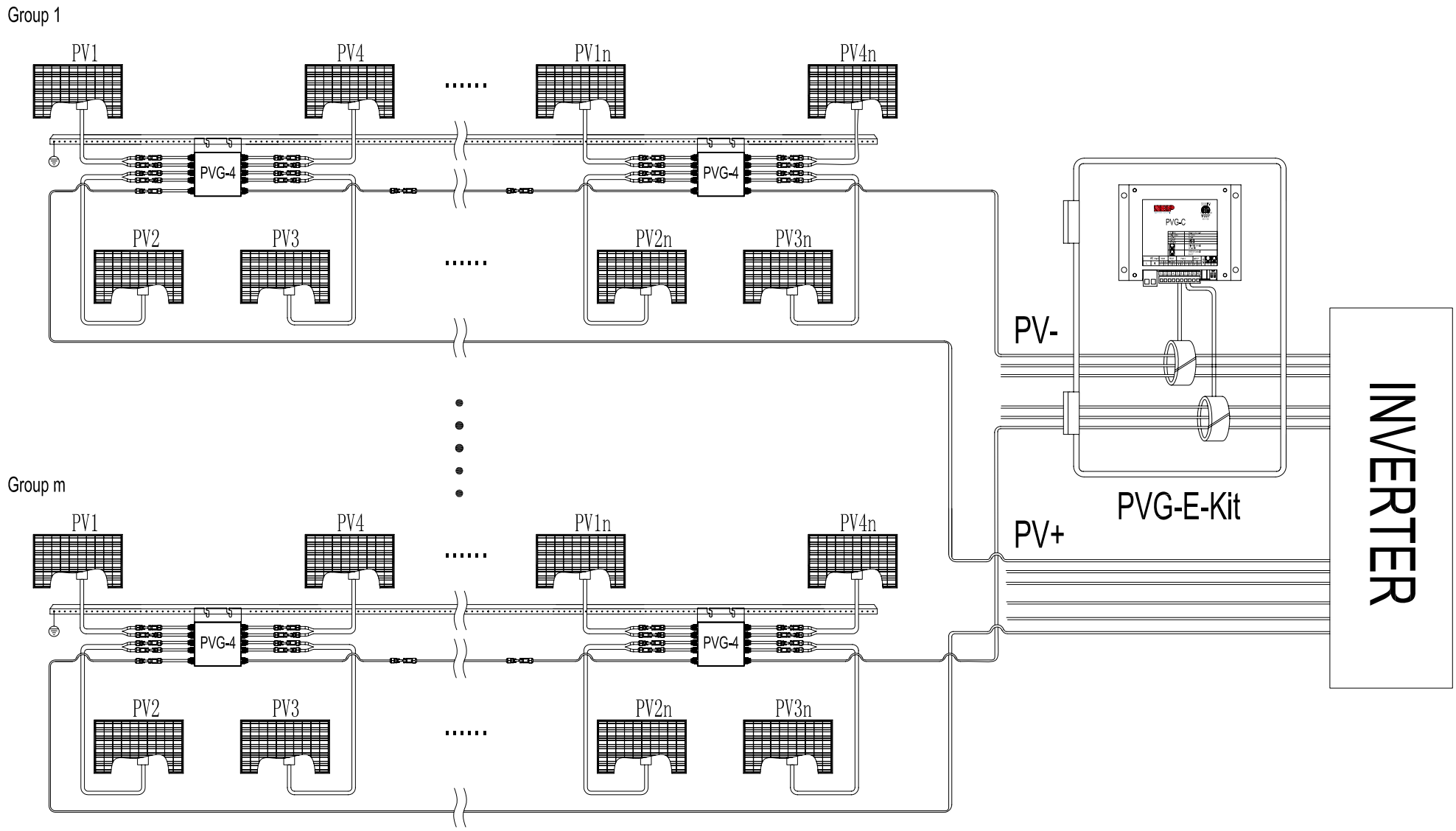
- Option-1



- Option-2

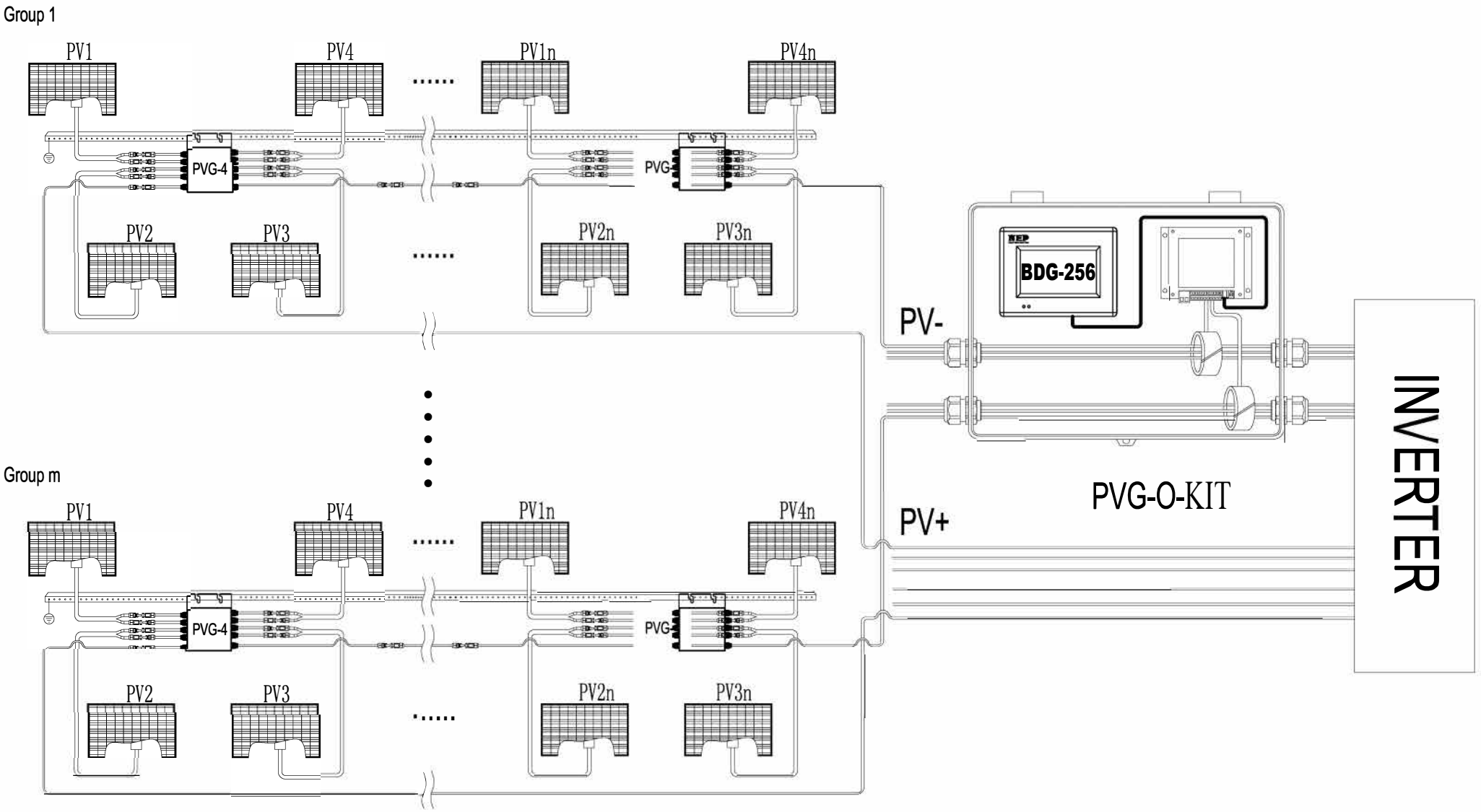


- Before testing RSD function, the inverter AC shall be switched off
- RSD function shall not be tested while DC is under load



- E-Stop is an option in PVG-E enclosure
- Monitoring BDG-256 gateway is included in PVG-O enclosure

Quantity:		Material:			
Designed by:	Checked by:	Approved by:	Date:	Edition:	Scale:
NORTHERN ELECTRIC		Drawing number:		Sheet 1 of 1	



Quantity:		Material:			
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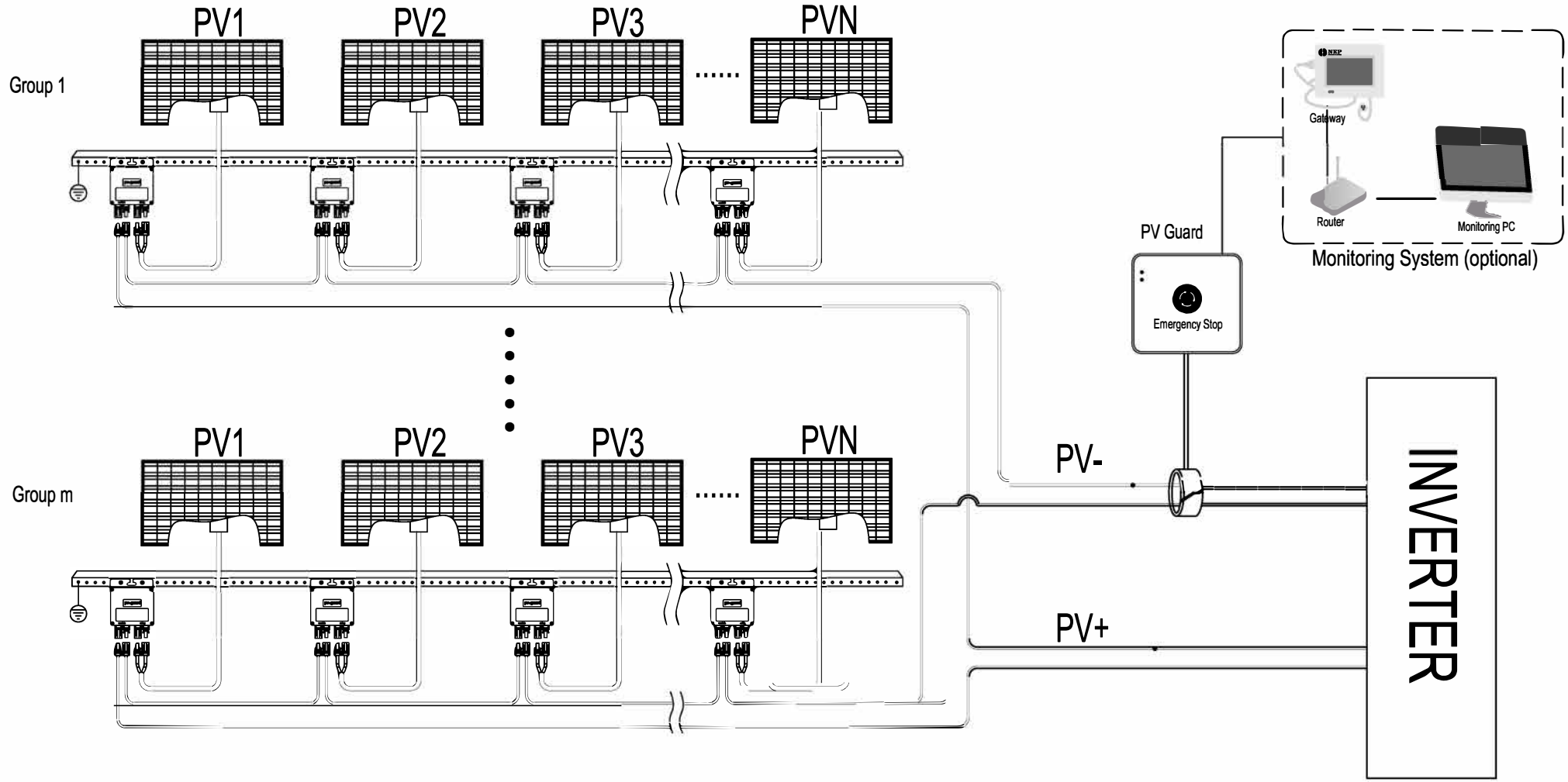
NORTHERN ELECTRIC

Drawing number:

Sheet 1 of 1

PVG-C Controller with PVG-1 Receiver



Warning

a) PVG is a device with memory. If the last state of a PVG is unknown, please test and confirm it is at OFF state before wiring. ON state PVGs may result in high voltage on the PV strings.

b) While plugging or unplugging PV connections in a system, inverter should be fully disconnected or deactivated and there should be no current on PV cables.

Quantity:		Material:			
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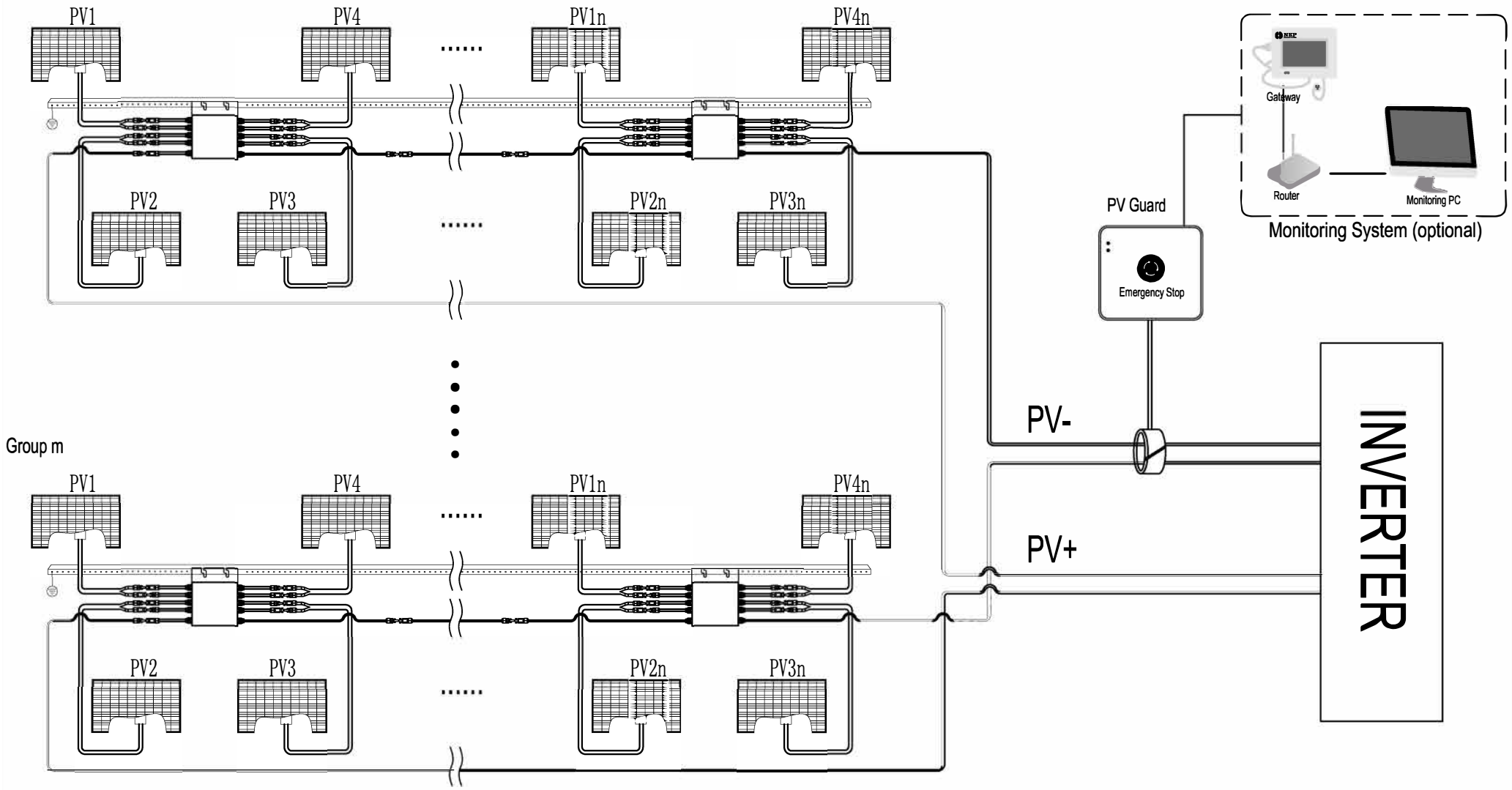
NEP NORTHERN ELECTRIC		Drawing number:		Sheet 1 of 1	

PVG-C Controller with PVG-4 Receiver



Warning

a) Port PV-1 must be connected to a PV panel to power the PVG. Cables (PV+ and PV-) of an unused PV port shall be connected.

b) PVG is a device with memory. If the last state of a PVG is unknown, please test and confirm it is at OFF state before wiring. ON state PVGs may result in high voltage on the PV strings.

c) While plugging or unplugging PV connections in a system, inverter should be fully disconnected or deactivated and there should be no current on PV cables.

Quantity:		Material:			
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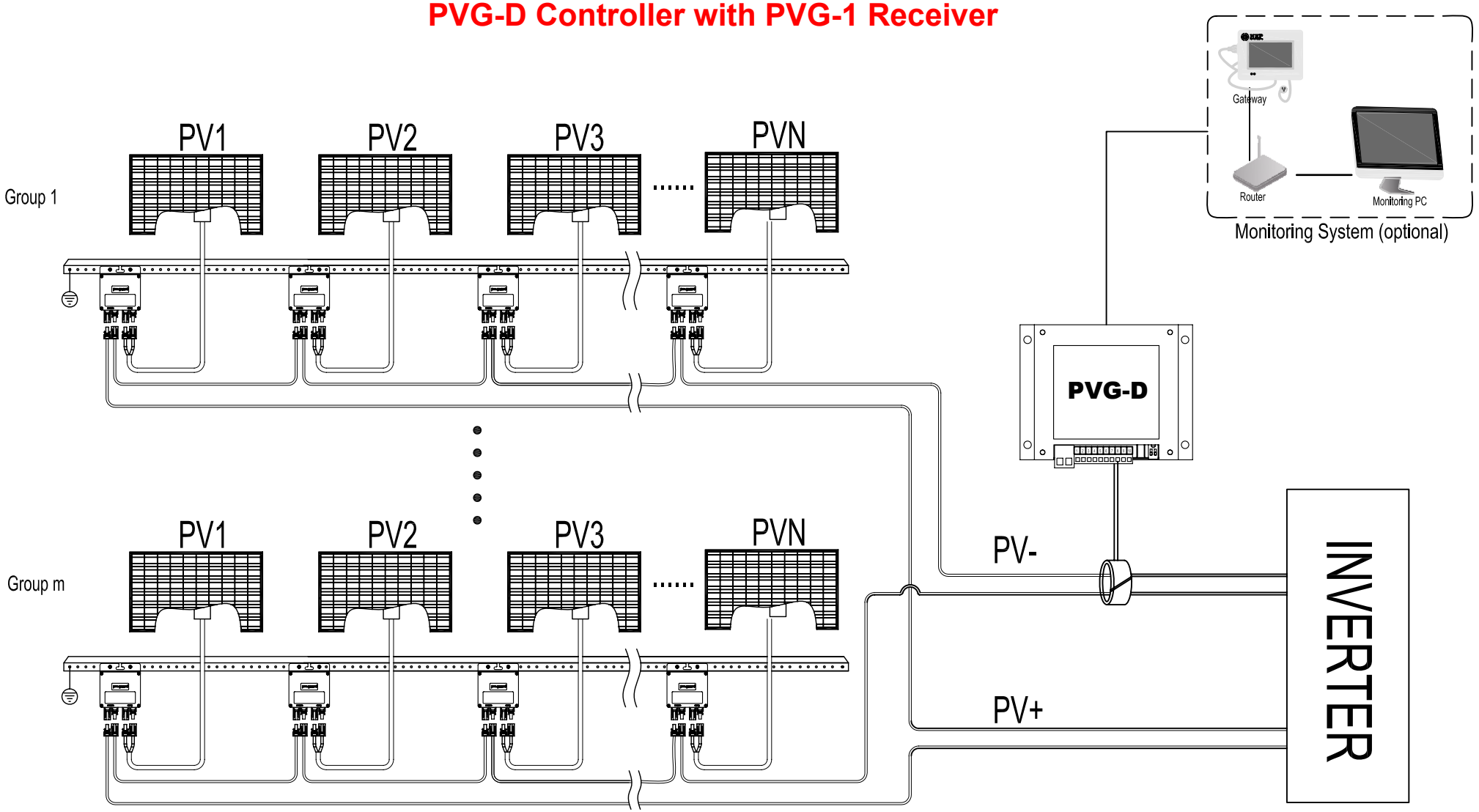
		Drawing number:		Sheet 1 of 1	

PVG-D Controller with PVG-1 Receiver



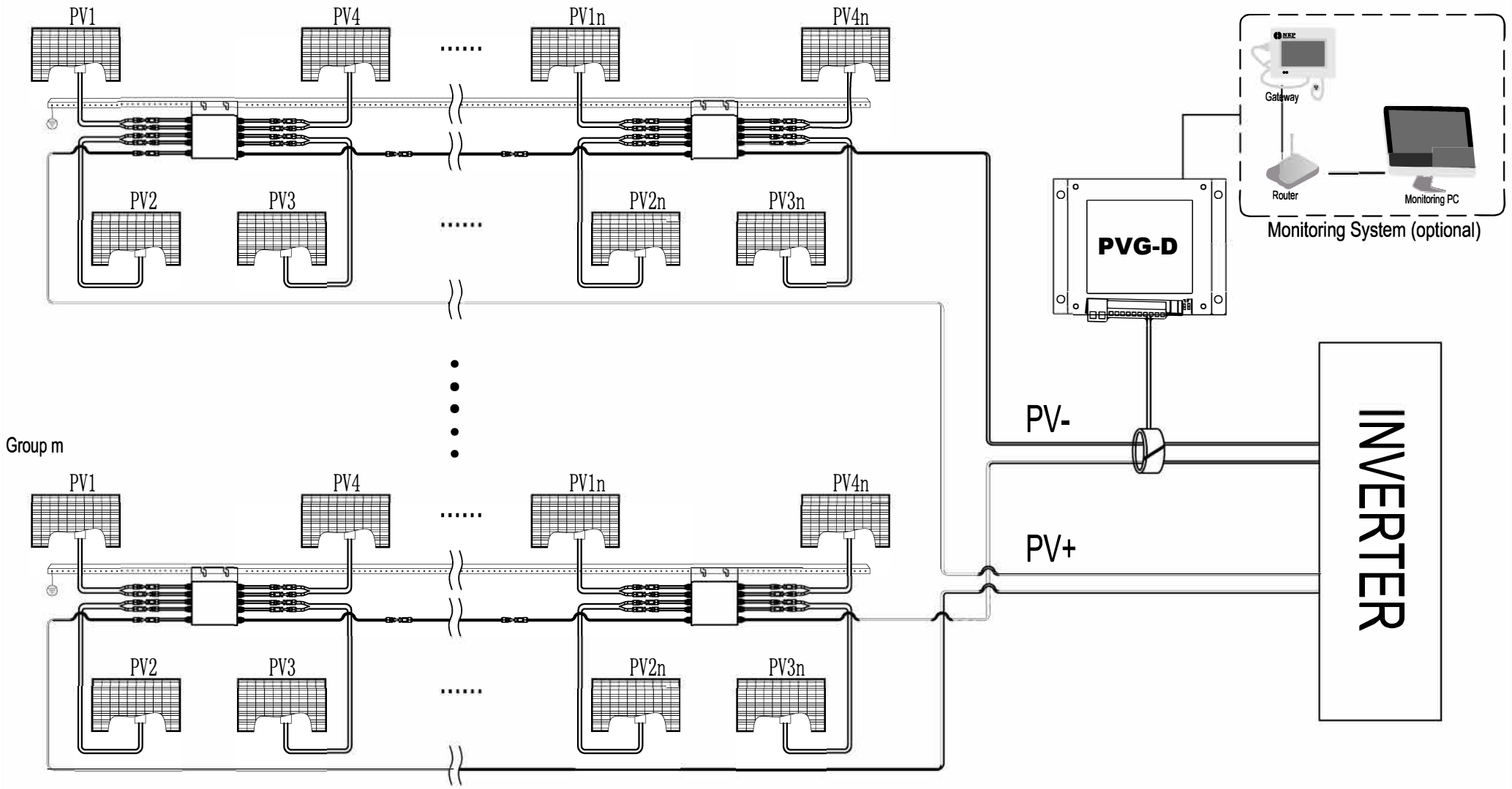
Warning

a) PVG is a device with memory. If the last state of a PVG is unknown, please test and confirm it is at OFF state before wiring. ON state PVGs may result in high voltage on the PV strings.

b) While plugging or unplugging PV connections in a system, inverter should be fully disconnected or deactivated and there should be no current on PV cables.

Quantity:		Material:			
Designed by:	Checked by:	Approved by:	Date:	Edition:	Scale:
NEP NORTHERN ELECTRIC		Drawing number:		Sheet 1 of 1	

PVG-D Controller with PVG-4 Receiver



Warning

a) Port PV-1 must be connected to a PV panel to power the PVG. Cables (PV+ and PV-) of an unused PV port shall be connected.

b) PVG is a device with memory. If the last state of a PVG is unknown, please test and confirm it is at OFF state before wiring. ON state PVGs may result in high voltage on the PV strings.

c) While plugging or unplugging PV connections in a system, inverter should be fully disconnected or deactivated and there should be no current on PV cables.

Quantity:		Material:			
Designed by:	Checked by:	Approved by:	Date:	Edition:	Scale:
NEP NORTHERN ELECTRIC		Drawing number:		Sheet 1 of 1	