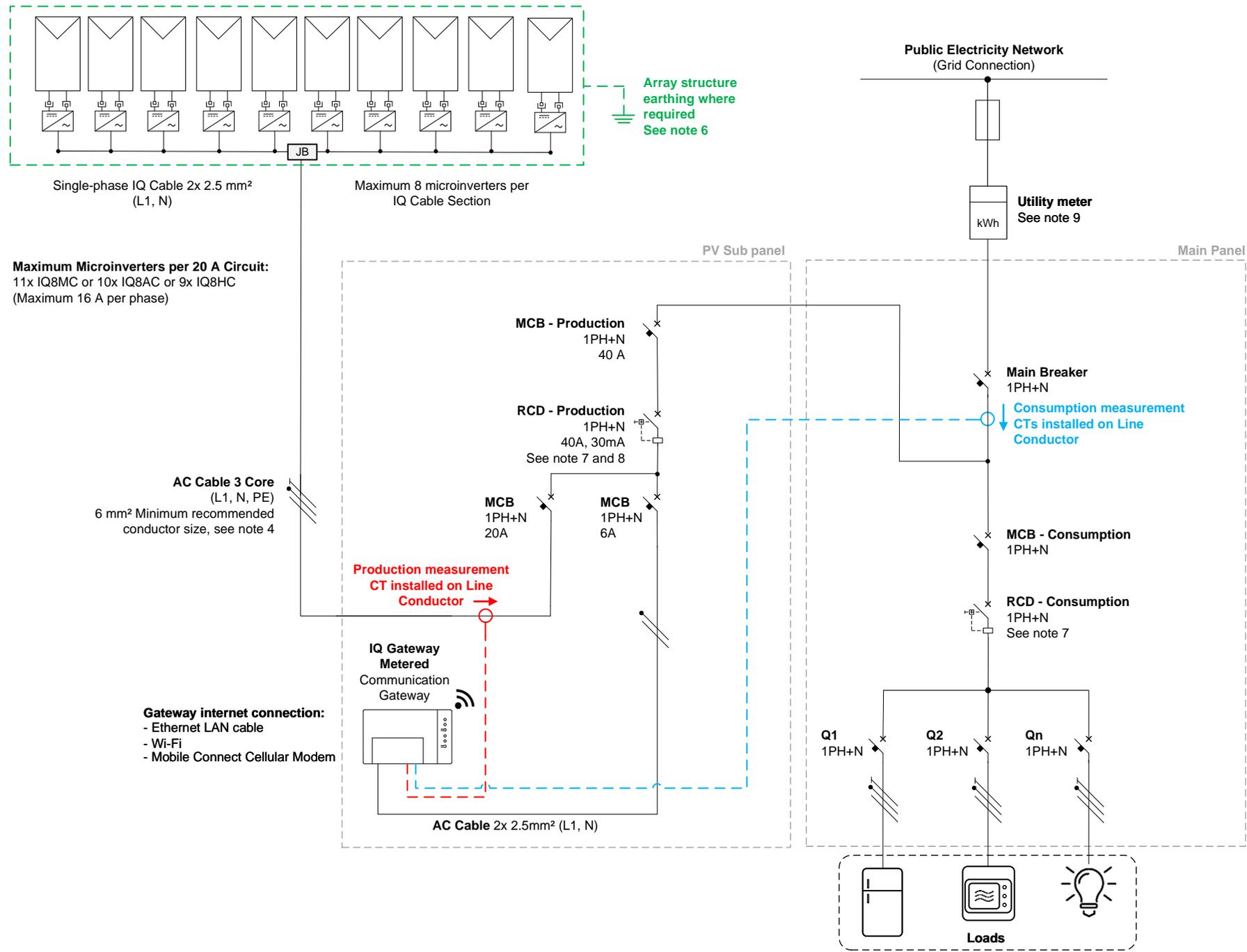


NOTES:

1. These schematics are examples only. These schematics provide recommendations to assist the system designer and installer.
2. The design and installation of the photovoltaic power plant must be carried out in accordance with local electrical standards in the country of installation and must be carried out by competent personnel.
3. Before installing any PV equipment, check the phase-to-neutral voltage at the point of connection. The operating voltage must be within a range acceptable for the 230 V microinverters.
4. The lengths and cross sections of AC cable (between the end of the IQ Cable and the electrical panel) must be determined in accordance with the electrical standards in force in the country of installation. It is recommended that the voltage drop on this cable does not exceed 1% and that overall voltage drop in the PV circuit from the point of connection to the most remote microinverter does not exceed 2%.
5. The 2.5 mm² IQ Cable is usually protected by a 20 A B curve circuit breaker.
6. The equipotential bonding between PV module frames, array mounting structure and the metal microinverter mounting brackets must be installed in accordance with local electrical standards..
7. Surge protection devices (SPD) and Residual Current Devices (RCD) must be installed accordance with local electrical standards. Enphase microinverters have an Internal surge protection.
8. Enphase microinverters have an integrated High Frequency transformer which provides galvanic separation between DC and AC parts. Where local electrical standards require RCD protection, a Type AC device can be used.
9. Utility meter may be located inside the main panel or as a standalone device.



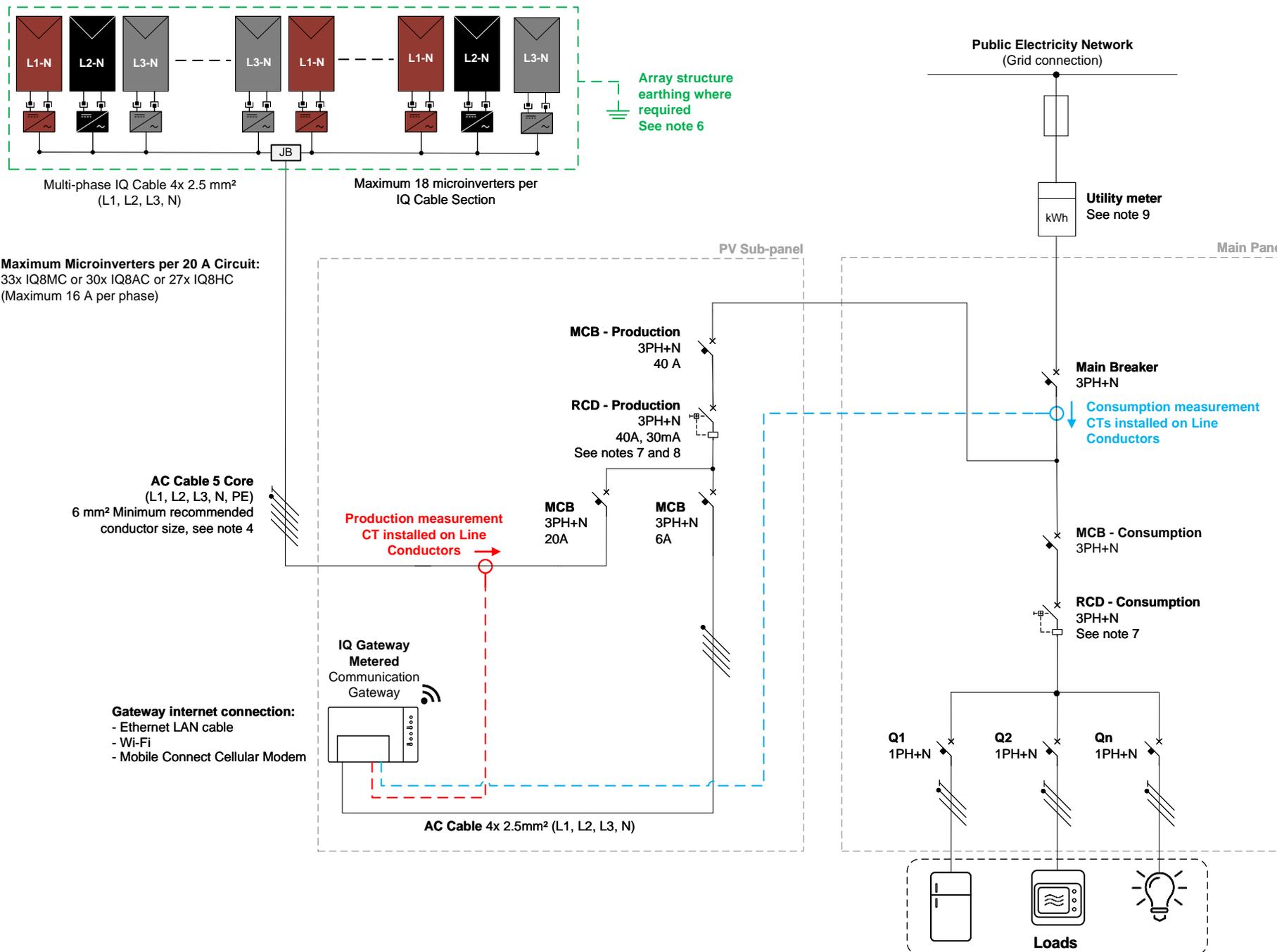
DRAWING No:
EN-IQ8-1PHN

DRAWING Name:
Electrical diagram example: Single-phase IQ8 Series Microinverters (IQ8MC or IQ8AC or IQ8HC) Grid Tied PV System

DATE : 08/08/2023	SHEET: 1 of 1	SCALE: NTS@A4
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NOTES:

1. These schematics are examples only. These schematics provide recommendations to assist the system designer and installer.
2. The design and installation of the photovoltaic power plant must be carried out in accordance with local electrical standards in the country of installation and must be carried out by competent personnel.
3. Before installing any PV equipment, check the phase-to-neutral voltage at the point of connection. The operating voltage must be within a range acceptable for the 230 V microinverters.
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5. The 2.5 mm² IQ Cable is usually protected by a 20 A B curve circuit breaker.
6. The equipotential bonding between PV module frames, array mounting structure and the metal microinverter mounting brackets must be installed in accordance with local electrical standards.
7. Surge protection devices (SPD) and Residual Current Devices (RCD) must be installed in accordance with local electrical standards. Enphase microinverters have an Internal surge protection.
8. Enphase microinverters have an integrated High Frequency transformer which provides galvanic separation between DC and AC parts. Where local electrical standards require RCD protection, a Type AC device can be used.
9. Utility meter may be located inside the main panel or as a standalone device.
10. Use a G99 approved third party network protection relay for PV systems with system size above 17kW per phase.



DRAWING No:
EN-IQ8-3PHN

DRAWING Name:
Electrical diagram example: Multi-phase IQ8 Series Microinverters (IQ8MC or IQ8AC or IQ8HC) Grid Tied PV System

DATE:
08/03/2023

SHEET:
1 of 1

SCALE:
NTS@A4