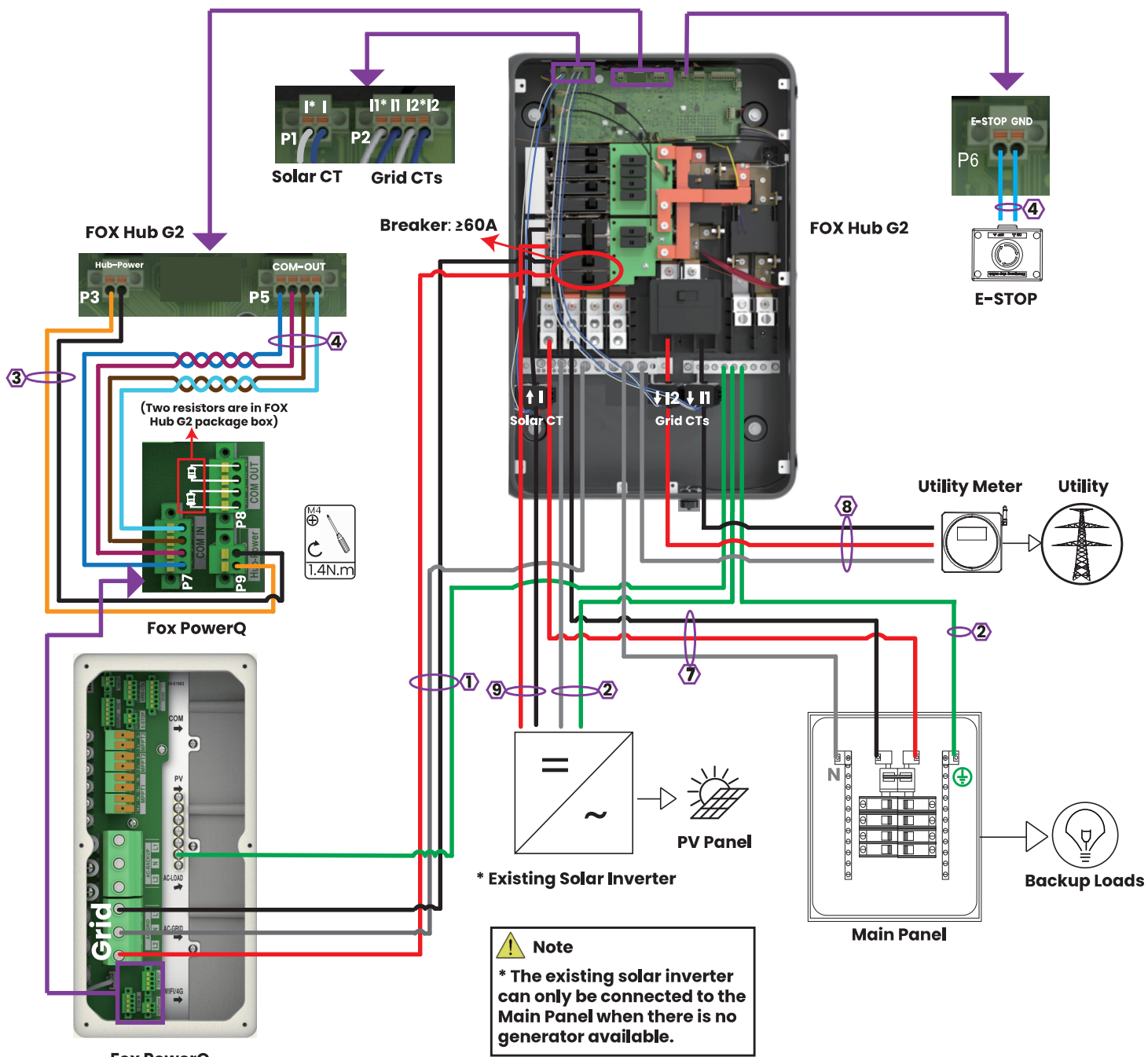


Fox ESS Three-line Diagram (FOX Hub G2+Single Fox PowerQ Unit)

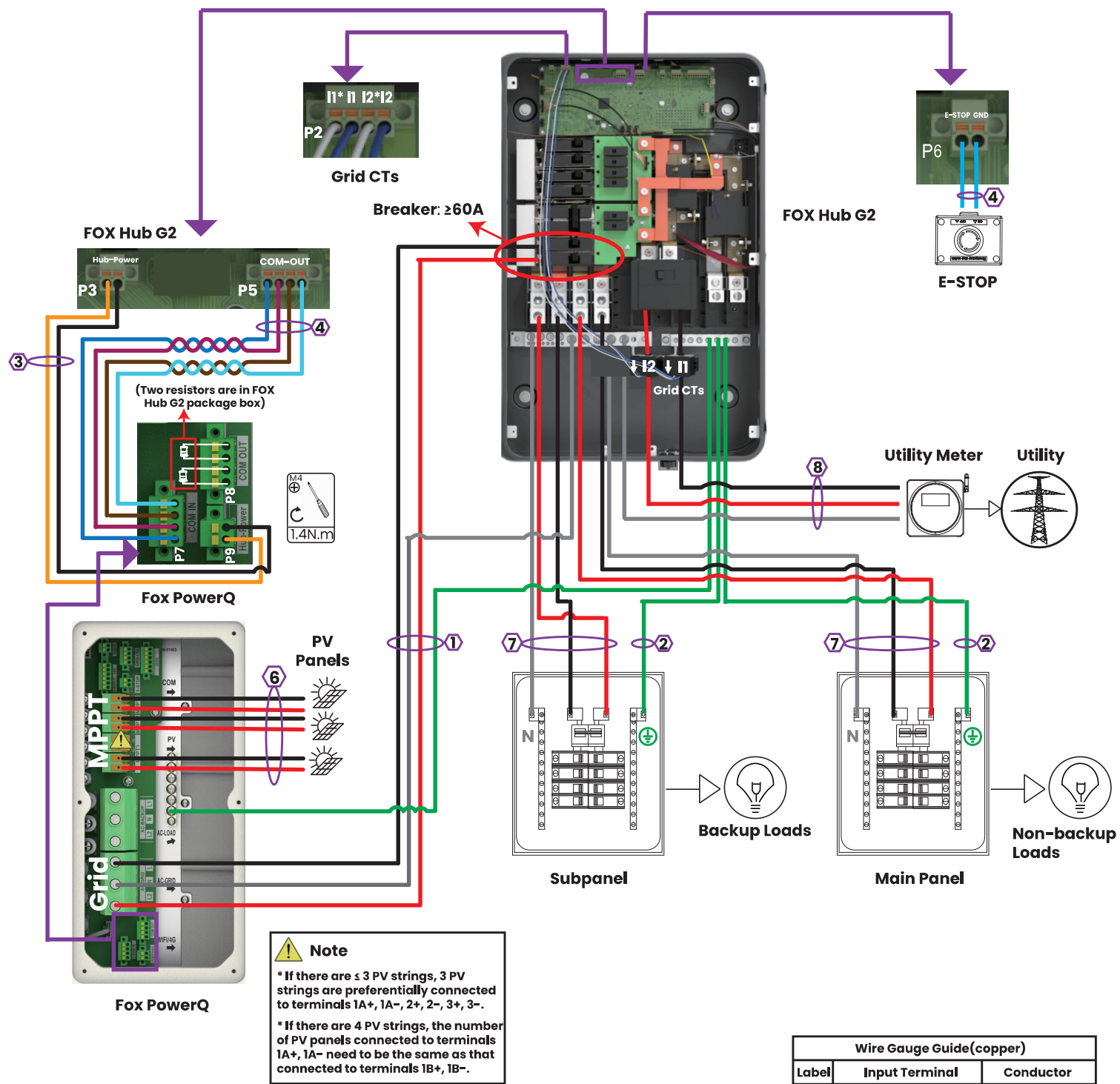
Whole-home Backup (AC Couple)



Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

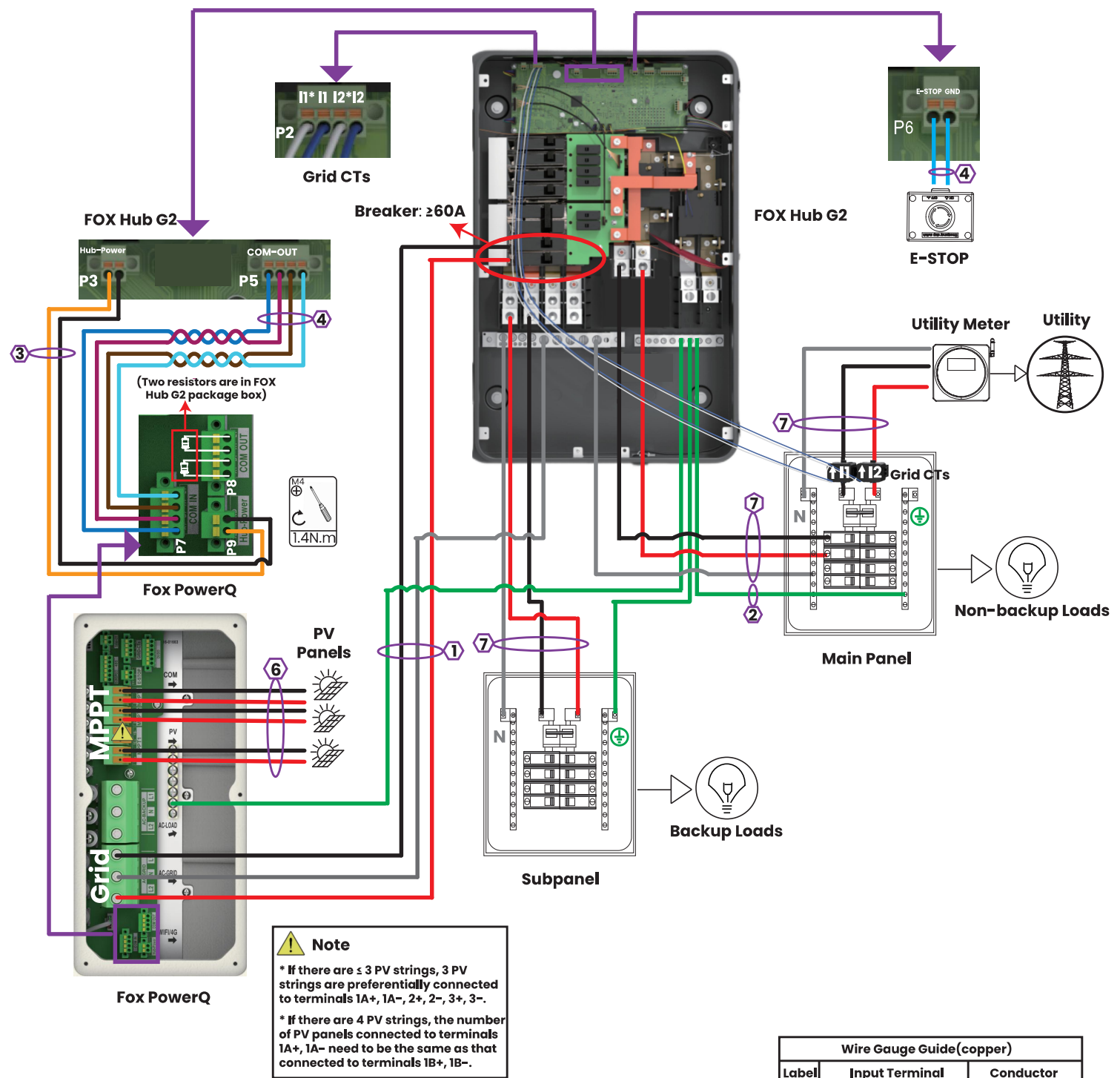
Fox ESS Three-line Diagram (FOX Hub G2+Single Fox PowerQ Unit)

Partial-home Backup (DC Couple) (FOX Hub G2 as Service Panel)



Fox ESS Three-line Diagram (FOX Hub G2+Single Fox PowerQ Unit)

Partial-home Backup (DC Couple) (FOX Hub G2 not as Service Panel)



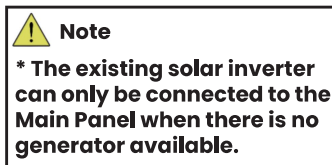
Key

- L1/Negative
- L2/Positive
- Ground
- Neutral

Other Colors: Sensors/Communications

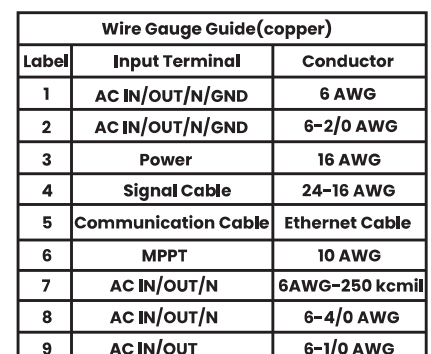
Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Partial-home Backup (AC Couple) (FOX Hub G2 as Service Panel)



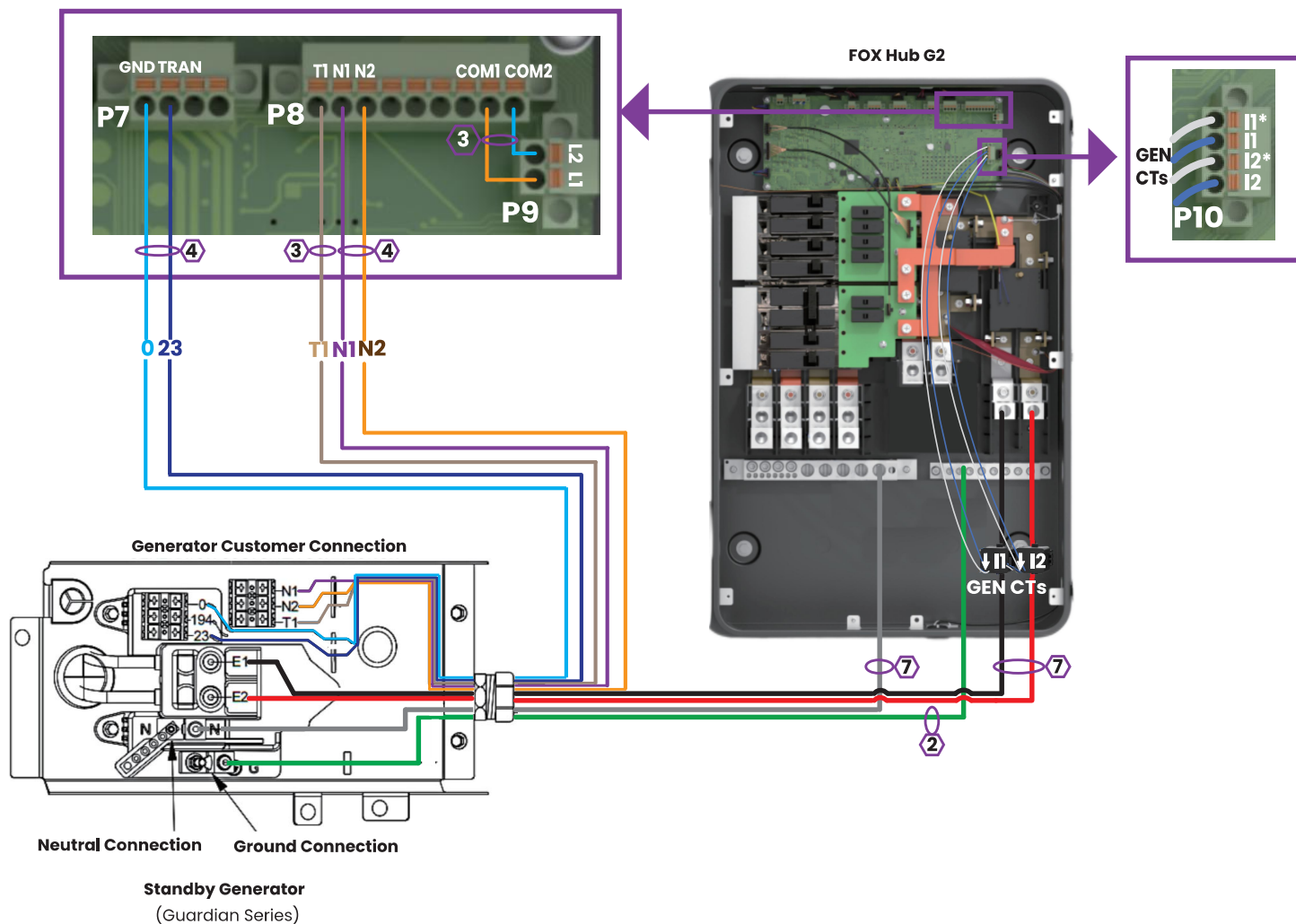
Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Partial-home Backup (AC Couple) (FOX Hub G2 not as Service Panel)



Fox ESS Three-line Diagram (FOX Hub G2+Single Fox PowerQ Unit)

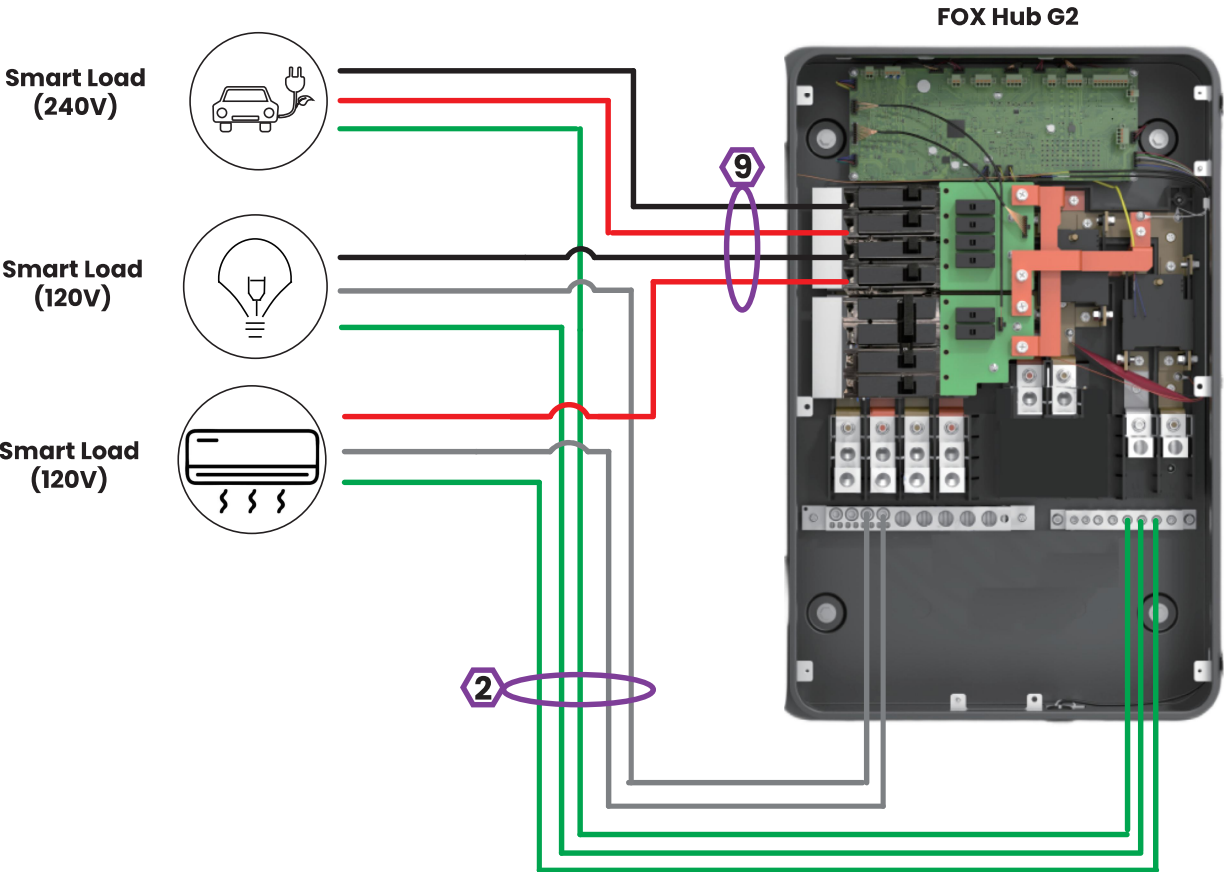
Generator Wiring



Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Fox ESS Three-line Diagram (FOX Hub G2+Single Fox PowerQ Unit)

Smart Loads Wiring



Key

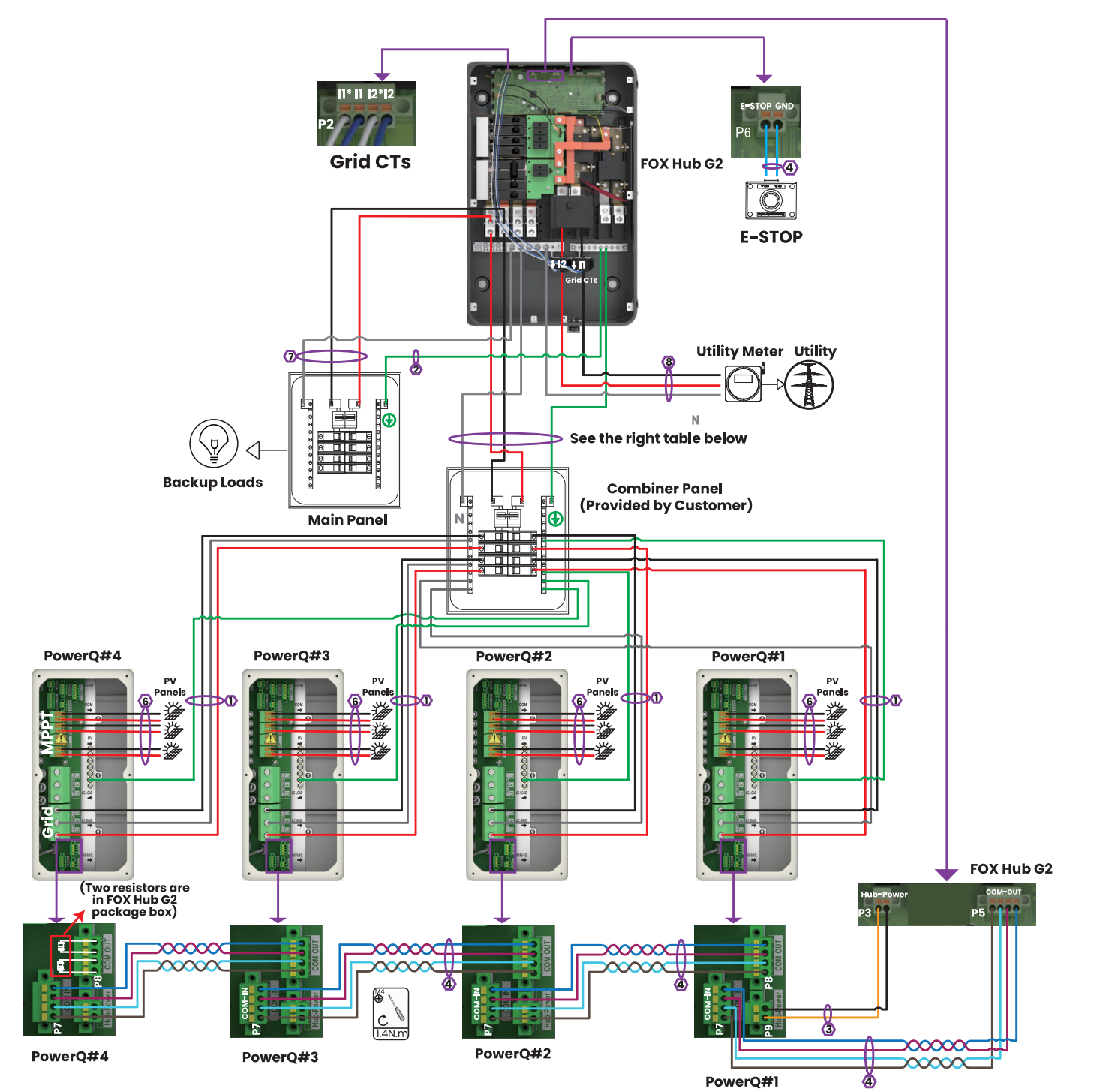
- L1/Negative
- L2/Positive
- Ground
- Neutral

Other Colors: Sensors/
Communications

Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

9. Appendix 3: Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Whole-home Backup (DC Couple)



Key

- L1/Negative
- L2/Positive
- Ground
- Neutral

Other Colors: Sensors/Communications

Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Note

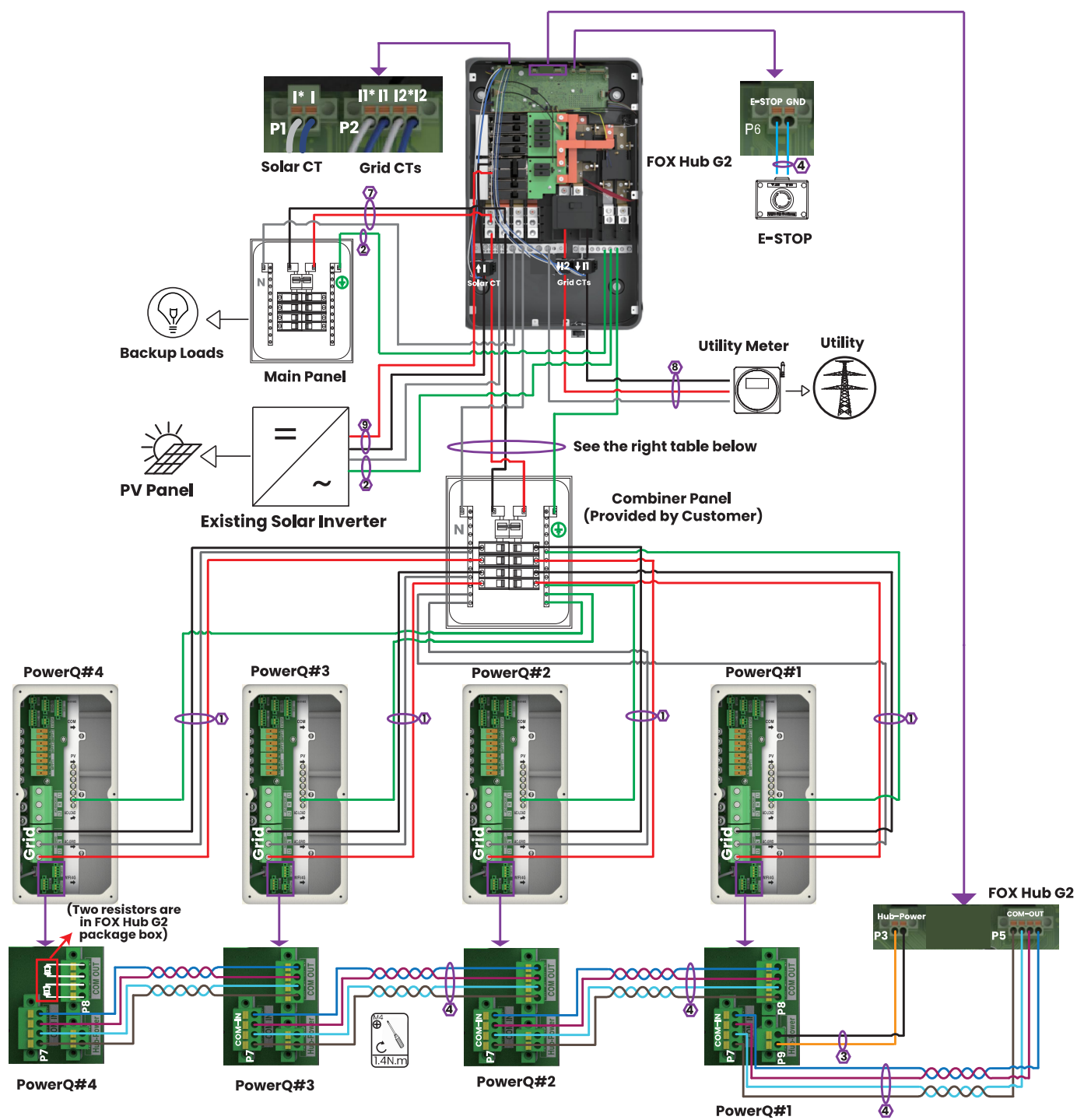
* If there are ≤ 3 PV strings, 3 PV strings are preferentially connected to terminals 1A+, 1A-, 2+, 2-, 3+, 3-.

* If there are 4 PV strings, the number of PV panels connected to terminals 1A+, 1A- need to be the same as that connected to terminals 1B+, 1B-.

No. of Parallel AIOs	Minimum Wire Gauge (Combiner Panel-FOX Hub G2)
2 Inverters	2 AWG
3 Inverters	2/0 AWG
4 Inverters	4/0 AWG

Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Whole-home Backup (AC Couple)



Key

L1/Negative

L2/Positive

Ground

Neutral

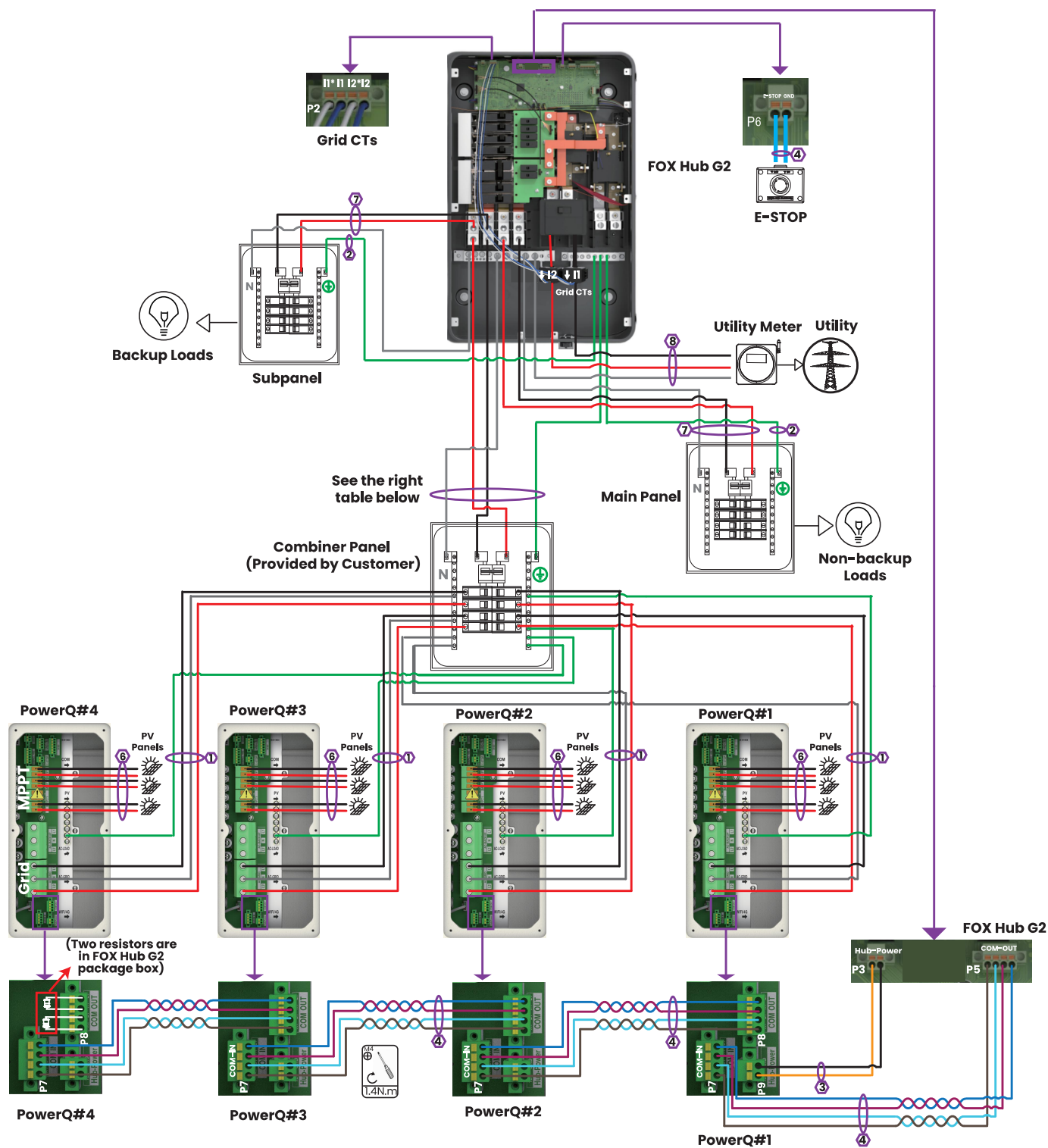
Other Colors: Sensors/
Communications

Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

No. of Parallel AIOs	Minimum Wire Gauge (Combiner Panel-FOX Hub G2)
2 Inverters	2 AWG
3 Inverters	2/0 AWG
4 Inverters	4/0 AWG

Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Partial-home Backup (DC Couple) (FOX Hub G2 as Service Panel)



Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Key

L1/Negative

L2/Positive

Ground

Neutral

Other Colors: Sensors/
Communications

⚠

Note

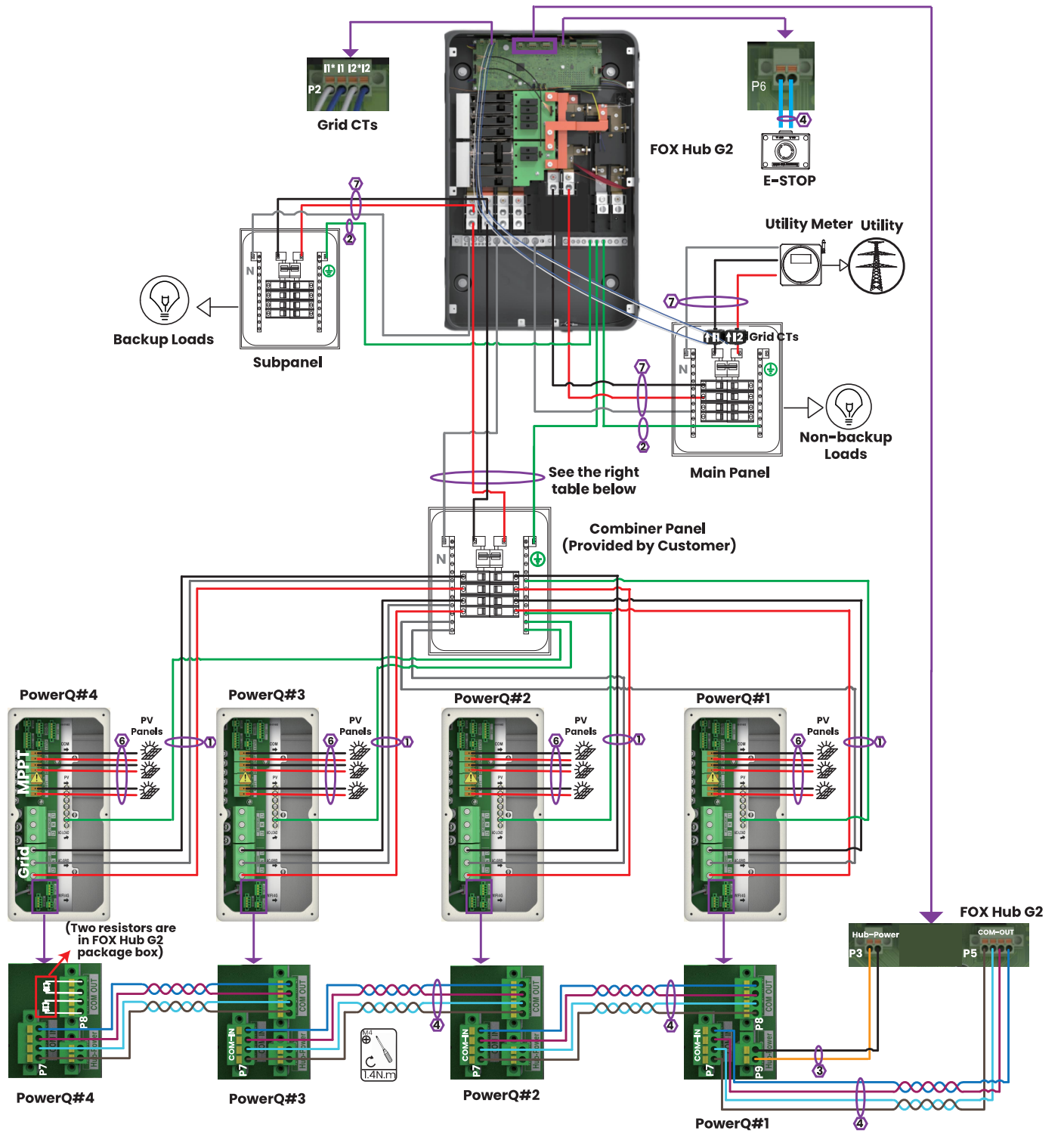
* If there are ≤ 3 PV strings, 3 PV strings are preferentially connected to terminals 1A+, 1A-, 2+, 2-, 3+, 3-.

* If there are 4 PV strings, the number of PV panels connected to terminals 1A+, 1A- need to be the same as that connected to terminals 1B+, 1B-.

No. of Parallel AIOs	Minimum Wire Gauge (Combiner Panel-FOX Hub G2)
2 Inverters	2 AWG
3 Inverters	2/0 AWG
4 Inverters	4/0 AWG

Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Partial-home Backup (DC Couple) (FOX Hub G2 not as Service Panel)



Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

Key

L1/Negative

L2/Positive

Ground

Neutral

Other Colors: Sensors/
Communications

⚠

Note

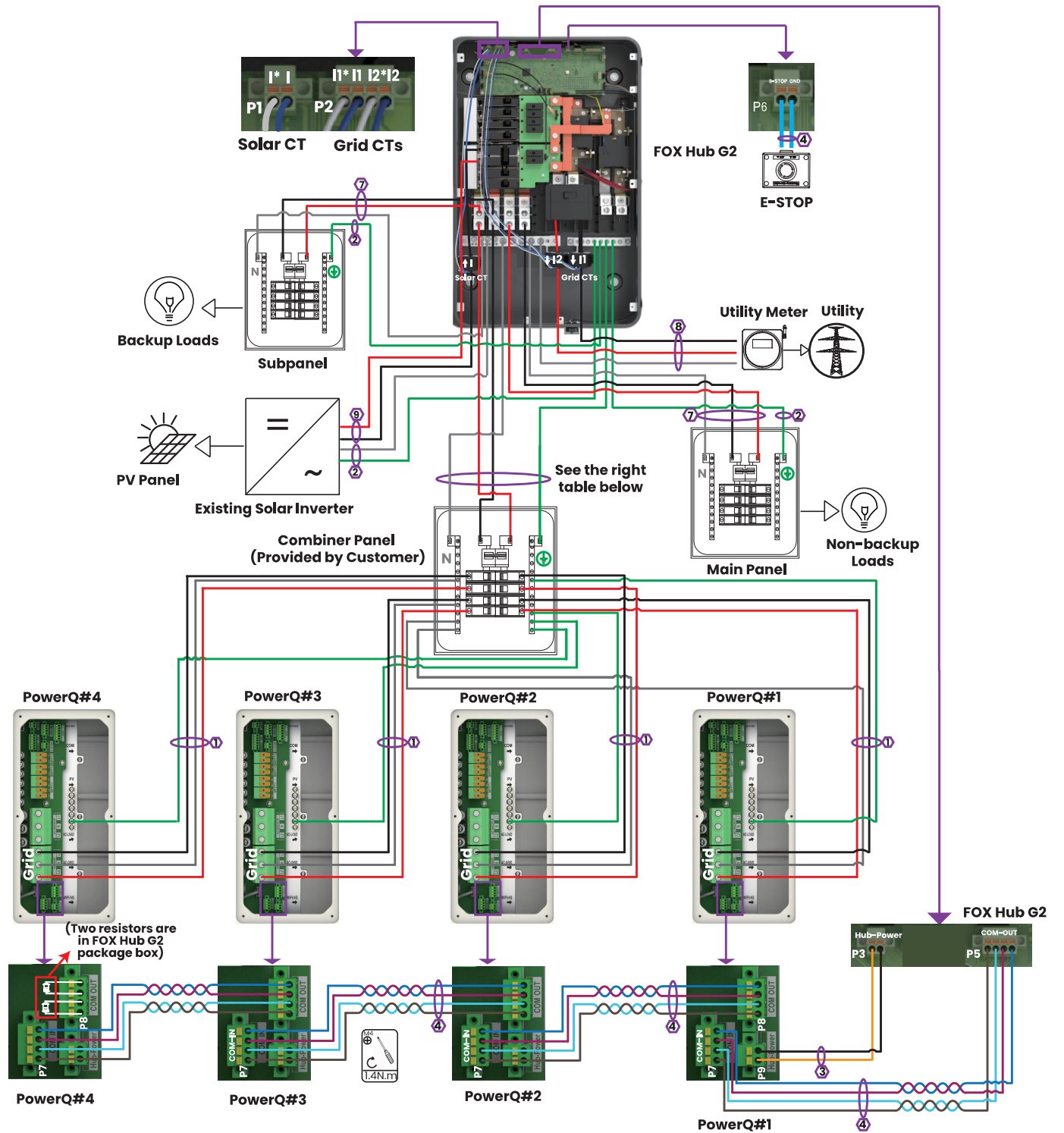
* If there are ≤ 3 PV strings, 3 PV strings are preferentially connected to terminals 1A+, 1A-, 2+, 2-, 3+, 3-.

* If there are 4 PV strings, the number of PV panels connected to terminals 1A+, 1A- need to be the same as that connected to terminals 1B+, 1B-.

No. of Parallel AIOs	Minimum Wire Gauge (Combiner Panel-FOX Hub G2)
2 Inverters	2 AWG
3 Inverters	2/0 AWG
4 Inverters	4/0 AWG

Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Partial-home Backup (AC Couple) (FOX Hub G2 as Service Panel)



Key

- L1/Negative
- L2/Positive
- Ground
- Neutral

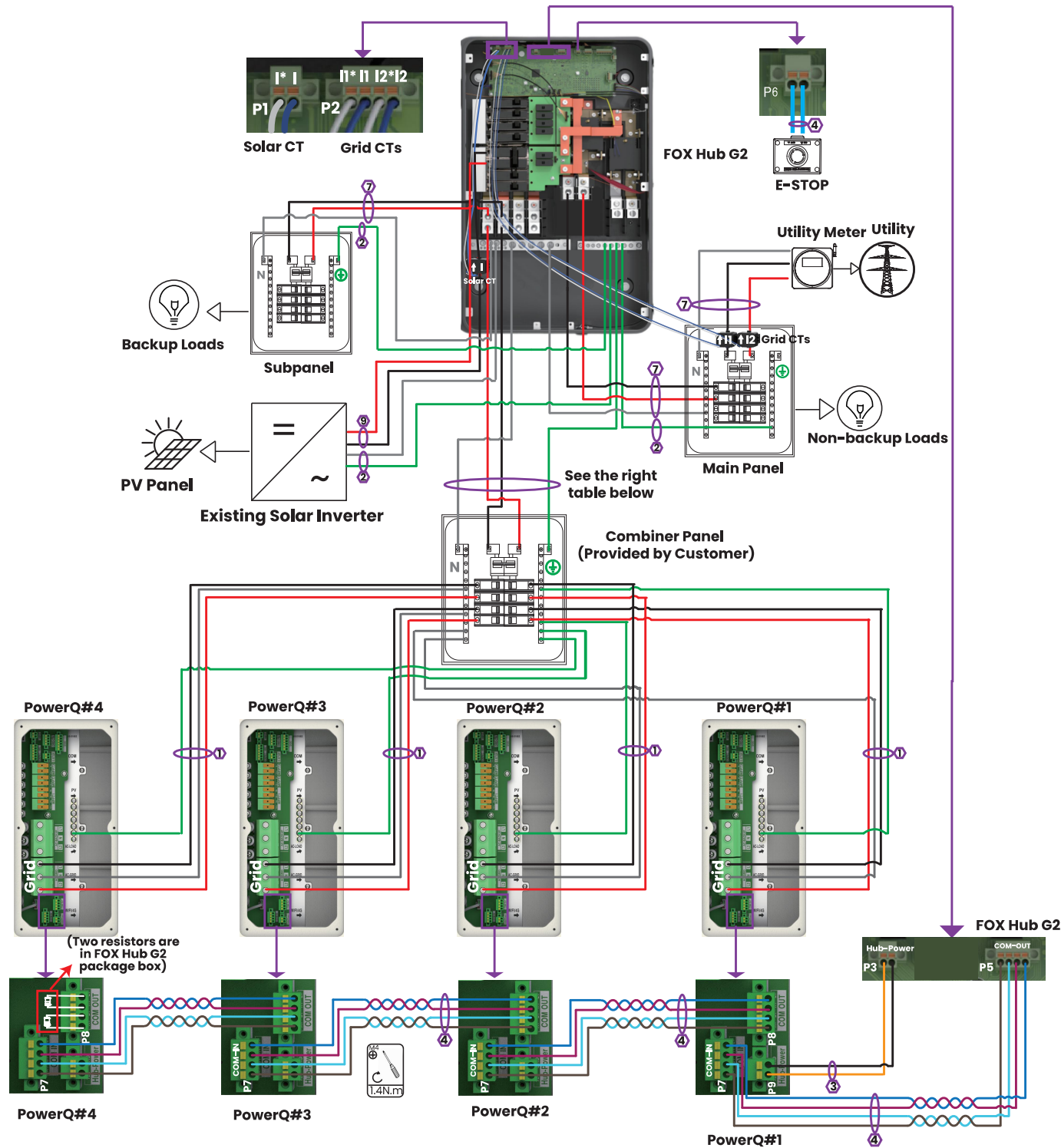
Other Colors: Sensors/Communications

Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
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5	Communication Cable	Ethernet Cable
6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG

No. of Parallel AIOs	Minimum Wire Gauge (Combiner Panel-FOX Hub G2)
2 Inverters	2 AWG
3 Inverters	2/0 AWG
4 Inverters	4/0 AWG

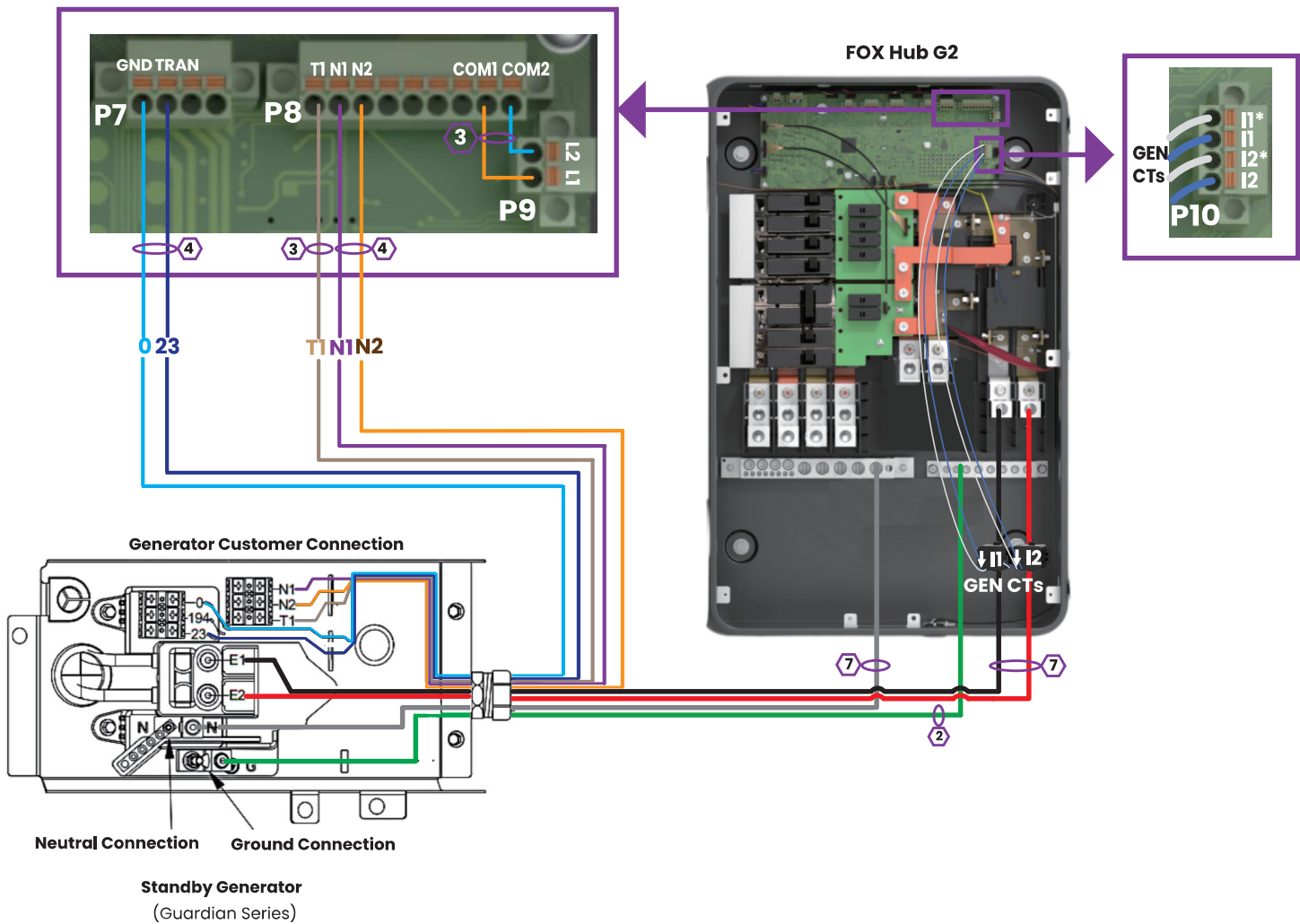
Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Partial-home Backup (AC Couple) (FOX Hub G2 not as Service Panel)



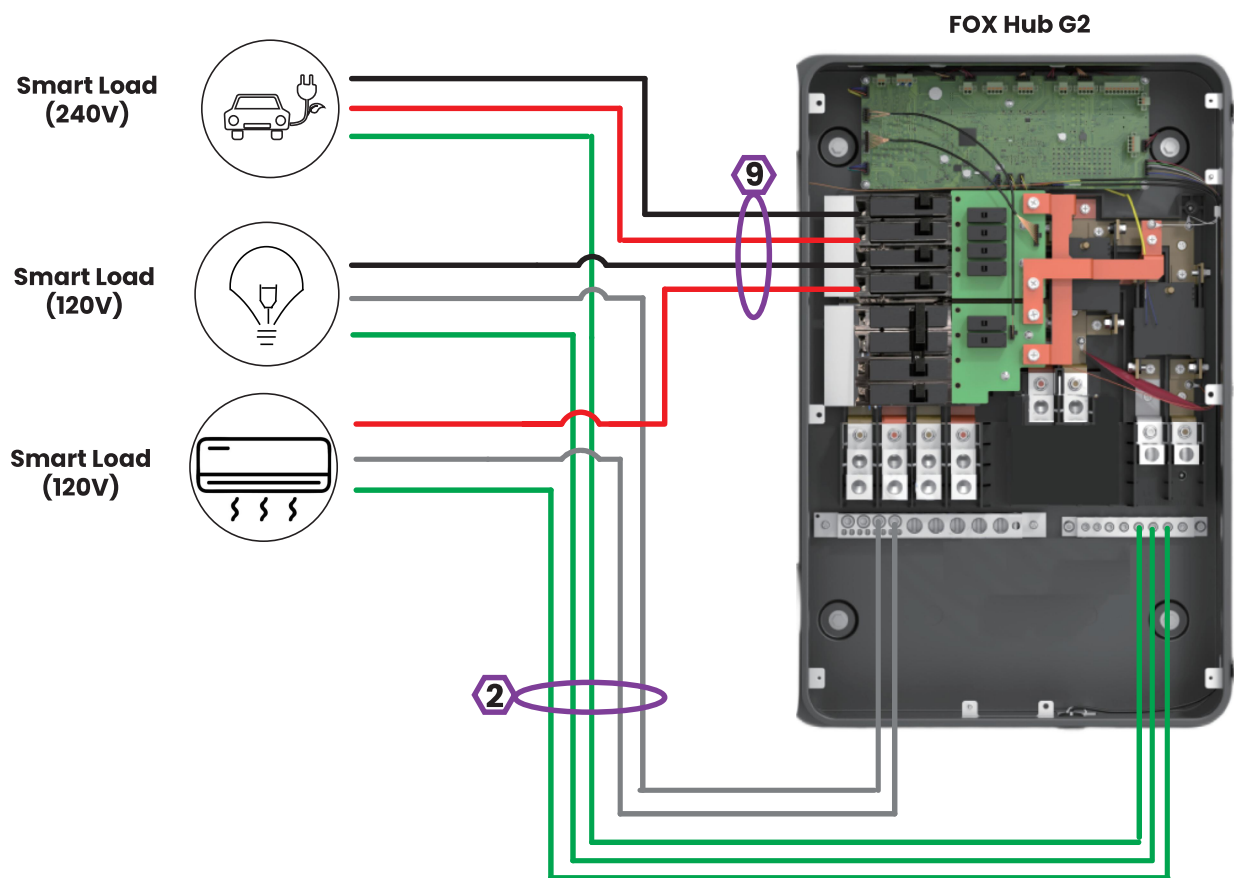
Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Generator Wiring



Fox ESS Three-line Diagram (FOX Hub G2+Parallel Fox PowerQ Units)

Smart Loads Wiring



Key

- L1/Negative
- L2/Positive
- Ground
- Neutral

Other Colors: Sensors/
Communications

Wire Gauge Guide(copper)		
Label	Input Terminal	Conductor
1	AC IN/OUT/N/GND	6 AWG
2	AC IN/OUT/N/GND	6-2/0 AWG
3	Power	16 AWG
4	Signal Cable	24-16 AWG
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6	MPPT	10 AWG
7	AC IN/OUT/N	6AWG-250 kcmil
8	AC IN/OUT/N	6-4/0 AWG
9	AC IN/OUT	6-1/0 AWG