Solar Taos
Kilowatt
Base
Simple Wiring
Diagrams
Single Phase Two-wire

Form 1S

Meter Internal Wiring
Front View

120 volts

Connections to Socket
Front View
Single Phase Three-wire

Form 2S

Meter Internal Wiring
Front View

Connections to Socket
Front View

120 volts line-to-neutral
240 volts line-to-line
Single Phase Three-wire with CT

120 volts line-to-neutral
240 volts line-to-line

Set meter potential stabat 6 o'clock or 9 o'clock position, to match socket connection.

Use one-half the CT ratio as the transformer factor in determining the meter multiplier.
Single Phase Three-wire with Two CTs

120 volts line-to-neutral
240 volts line-to-line

Use the CT ratio as the transformer factor in determining the meter multiplier.

www.solar-catalog.com
Three-wire Network with Two CTs

120 volts line-to-neutral
208 volts line-to-line

Use the CT ratio as the transformer factor in determining the meter multiplier.

Connections to Socket Front View

www.solar-catalog.com
Three Phase Three-wire Delta with Two CTs

Form 5S

240 volts line-to-line
or 480 volts line-to-line
or 120 volts line-to-line

Use the CT ratio as the transformer factor in determining the meter multiplier.

www.solar-catalog.com
Three Phase Four-wire Delta with Three CTs

240 volts: 1 to 2, 2 to 3, 3 to 1
120 volts: 1 to neutral, 2 to neutral
208 volts: 3 to neutral

Use the CT ratio as the transformer factor in determining the meter multiplier.

Connect the 208V "wild leg" as shown. The other two lines can be connected either as shown or swapped.

www.solar-catalog.com
Three Phase Four-wire Delta with Three CTs

240 volts: 1 to 2, 2 to 3, 3 to 1
120 volts: 1 to neutral, 2 to neutral
208 volts: 3 to neutral

Connect the 208V "wild leg" as shown. The other two lines can be connected either as shown or swapped.

Use the CT ratio as the transformer factor in determining the meter multiplier.
Three-wire Network

120 volts line-to-neutral
208 volts line-to-line

Set meter potential stab at 6 o'clock or 9 o'clock position, to match socket connection.
Three Phase Four-wire Wye

Form 14S

-meter Internal Wiring
-Front View

208 volts line-to-line
120 volts line-to-neutral
or
480 volts line-to-line
277 volts line-to-neutral

Connections to Socket
-Front View
Three Phase Four-wire Delta

240 volts: 1 to 2, 2 to 3, 3 to 1
120 volts: 1 to neutral, 2 to neutral
208 volts: 3 to neutral

Connect the 208V "wild leg" as shown. The other two lines can be connected either as shown or swapped.
Three Phase Four-wire Wye

Form 16S

Meter Internal Wiring
Front View

Connections to Socket
Front View

1 2 3

Line
Neutral

1 2 3

Load
Neutral

208 volts line-to-line
120 volts line-to-neutral
or
480 volts line-to-line
277 volts line-to-neutral

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