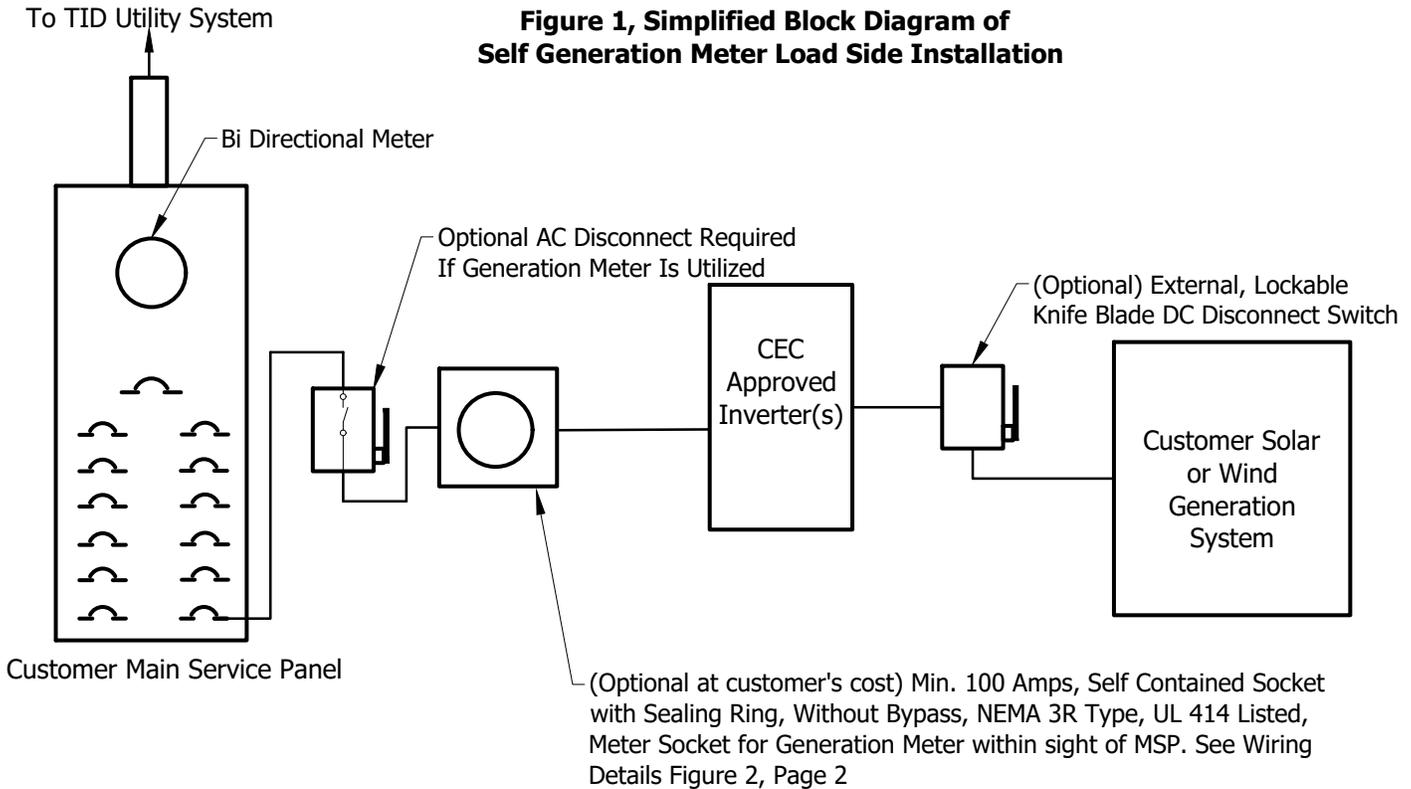


Figure 1, Simplified Block Diagram of Self Generation Meter Load Side Installation



Notes:

1. Installation shall meet all applicable safety and performance standards established by the current National Electric Code (NEC), the Institute of Electrical and Electronic Engineers (IEEE), and accredited testing laboratories such as Underwriters Laboratories (UL), and where applicable, rules of the Public Utilities Commission (PUC) regarding safety and reliability, as well as meeting all TID requirements.
2. TID will ensure that the metering at the point of interconnection will accurately measure electricity flow in both directions. If service panel replacement is necessary, the applicant shall be responsible for such cost.
3. Arrangements utilizing transfer switches, or alternatives to the arrangement shown above, will be considered upon submission of a diagram and explanation of the proposed deviation(s).
4. Main service panels rated 400 Amps and above will require CT cabinet, an AC disconnect switch, and need to contact TID Engineering for other requirements.
5. The battery storage should be UL 1741 and IEEE 1547 certified.
6. TID allows parallel battery operation however TID does not allow exporting power back on the grid from battery storage during a power outage.
7. Battery storage can only be connected through smart inverters.

Refer to TID solar installation guidelines for additional requirements.

REV	DESCRIPTION	INIT	CHK	RV'D	RV'D	RV'D	APP	DATE
H	ADDED BREAKER TO AC DISCONNECT	ADL	ADD	MAC			GSS	11-2022
G	REMOVED AC DIS. SW. & PV GEN. METER AN OPTION	SSG		BAP	MAC	MH	EDJ	05-2020
F	ADD NOTE 6 & 7 FOR BATTERY BACKUP	SSG		BAP	MAC	EKR	EDJ	12-2017
D	REPLACE TITLE BLOCK	ELJ					MSG	09-2016
E	REPLACE TITLE BLOCK	JRS	MSG	JSA	MLH	SDP	EDJ	06-2013

**SELF GENERATION
LOAD SIDE CONNECTION
WIRING & METER INSTALLATION**

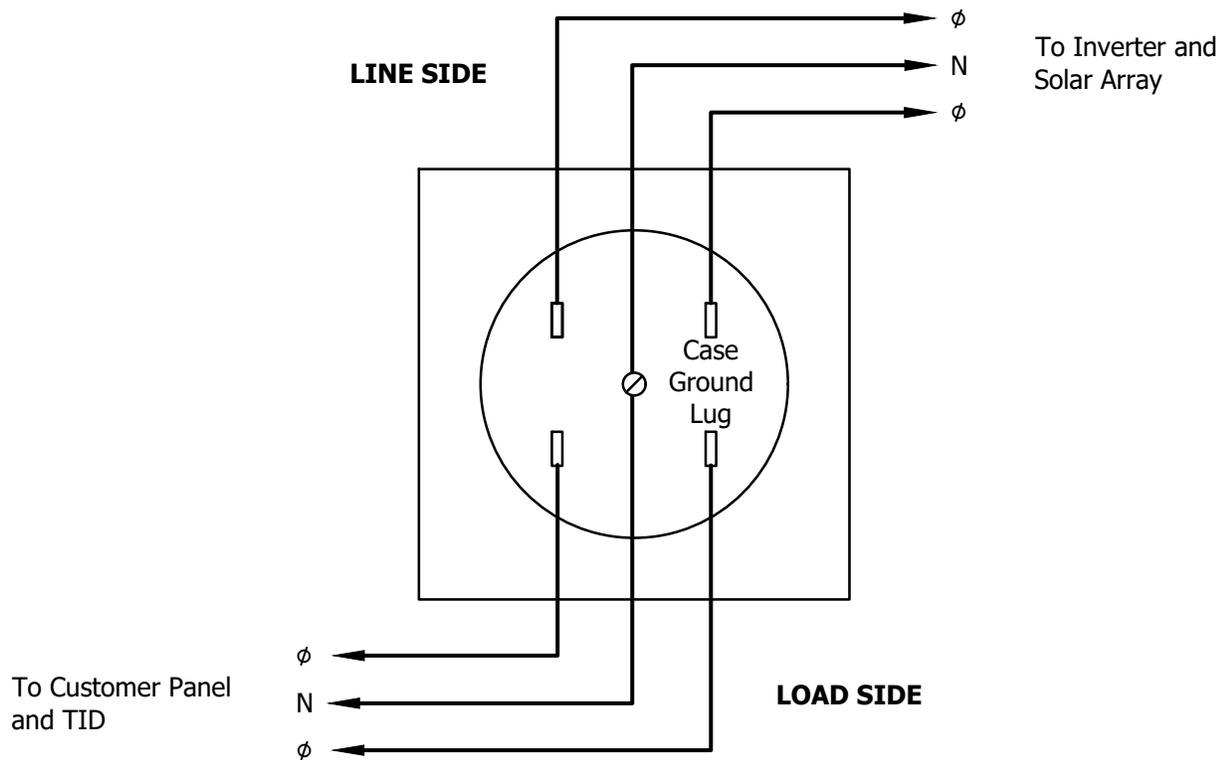


Figure 2
Simplified Detail of
Generation Meter Wiring

SELF GENERATION
 LOAD SIDE CONNECTION
 WIRING AND METER INSTALLATION

CONSTRUCTION STANDARDS

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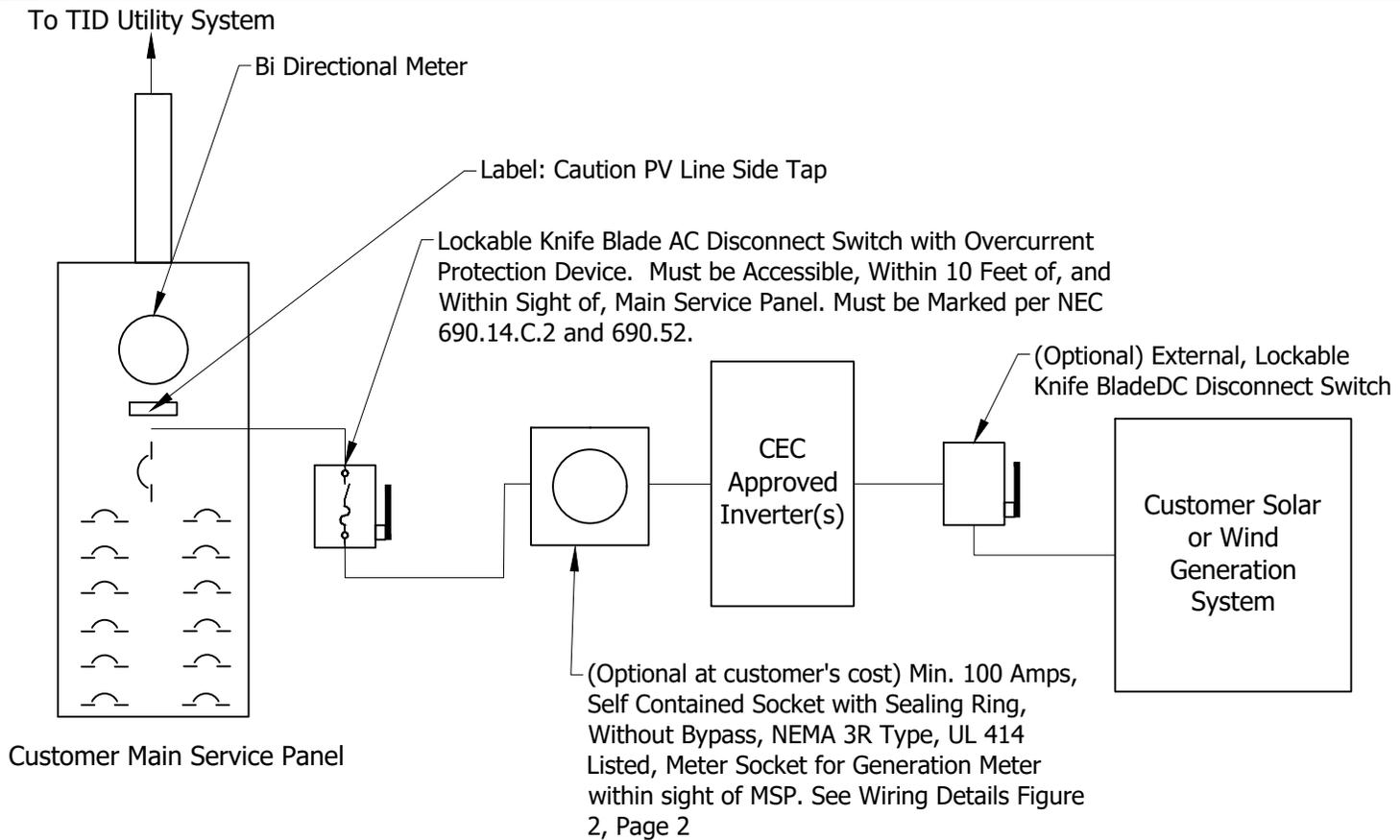


Figure 1, Simplified Block Diagram of Line Side Connection Installation

Notes:

1. Installation shall meet all applicable safety and performance standards established by the National Electric Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories, and where applicable, rules of the Public Utilities Commission regarding safety and reliability, as well as meet all TID requirements.
2. TID will ensure that the metering at the point of interconnection will accurately measure electricity flow in both directions. If service panel replacement is necessary, the applicant shall be responsible for such cost.
3. Arrangements utilizing transfer switches or alternatives to the arrangement shown above will be considered upon submission of a diagram and explanation of the proposed deviation(s).
4. Main service panels rated 400 Amps and above will require CT cabinet, an AC disconnect switch, and need to contact TID Engineering for other requirements.
5. Line side connection must be downstream of TID metering and not located within sealed TID compartment.
6. Line side connection shall not void UL listing on customer main service panel.
7. Customer must receive local jurisdiction approval for a line side connection.
8. The battery backup panel should be UL 1741 and IEEE 1547 certified.
9. TID allows parallel battery operation however TID does not allow exporting power back on the grid from battery storage during a power outage.
10. The battery storage can only be connected through smart inverters.

****Refer to TID solar installation guidelines for additional requirements****

TID TURLOCK IRRIGATION DISTRICT									CONSTRUCTION STANDARDS				
REV	DESCRIPTION	INIT	CHK	RVD	RVD	RVD	APP	DATE	SELF GENERATION LINE SIDE CONNECTION WIRING & METER INSTALLATION				
D	ADDED FUSE AND BREAKER IN AC DISCONNECT	ADL	ADD	MAC			GSS	11-2022					
C	MADE PV GEN. METER REQ. AS AN OPTION	SSG		BAP	MAC	EKR	EDJ	05-2020					
B	REPLACE TITLE BLOCK	ELJ					MSG	09-2016					
A	REPLACE TITLE BLOCK	JRS	MSG	JSA	SDP	MLH	EDJ	06-2013					
--	INITIAL ISSUE	MSG	JRS	MLH	SDP	JSA	EDJ	01-2013	SHEET		51093 DWG. NO.	D	PAGE
									1 OF 2				

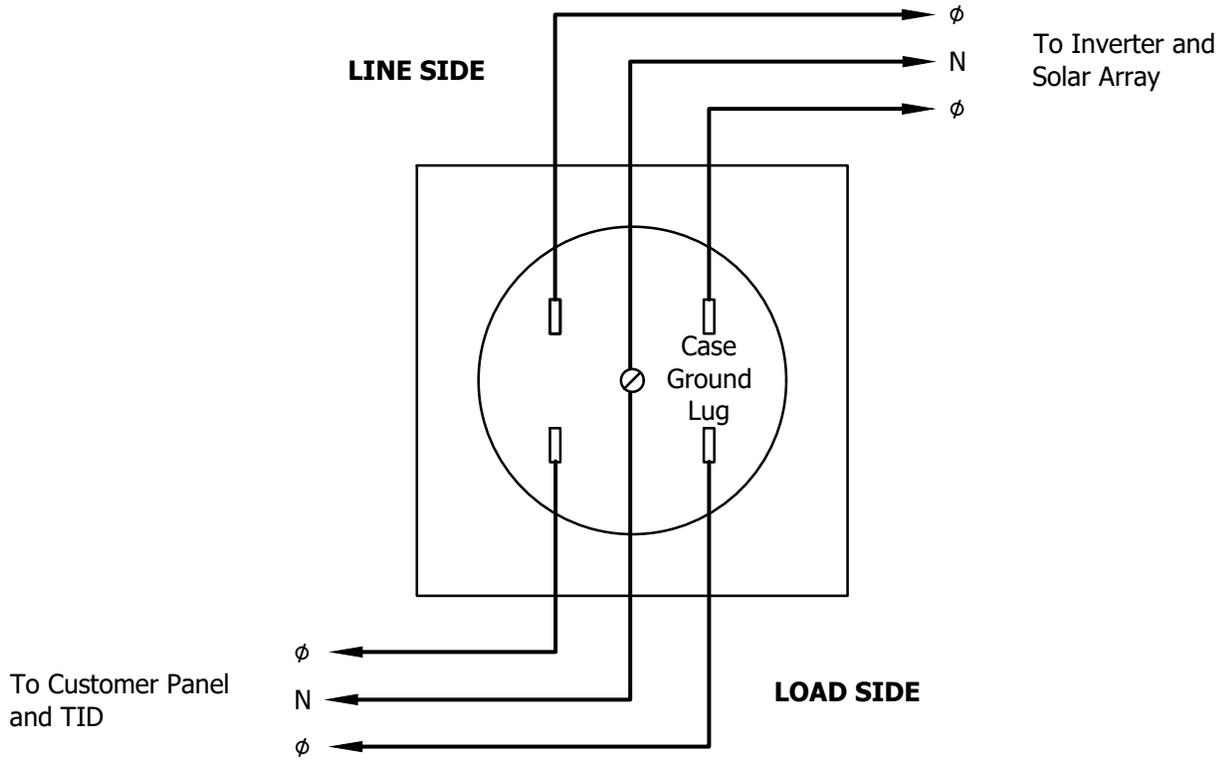


Figure 2
Simplified Detail of
Generation Meter Wiring

SELF GENERATION
 LINE SIDE CONNECTION
 WIRING & METER INSTALLATION

CONSTRUCTION STANDARDS

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