



Informative Note 64-0 Common Solar Photovoltaic System Labels

Issue Date: October 1, 2018

Based on the Manitoba Electrical Code (2018) 13th edition

This informational sheet is designed to help you install the most common solar photovoltaic system labels in accordance to the standards set by the 13th edition of the Manitoba Electrical Code 2018 and is not intended as an exhaustive list.

Every effort has been made to ensure the accuracy of the information being provided. However, in the event of a discrepancy between this informative note and the governing Manitoba Electrical Code, The Manitoba Electrical Code shall take precedence.

Remember, the Manitoba Electrical Code is constantly being updated. Be sure to familiarize yourself with the latest code requirements before you begin your installation.

All solar photovoltaic labels are required to be engraved lamacoids, red background with white lettering.

1 DC disconnect - 64-200 (1) - PV output circuit disconnect at an accessible location

A red rectangular label template with white text and input fields. The text includes 'PV SYSTEM DC DISCONNECT' at the top, followed by four rows of labels: 'OPERATING CURRENT:', 'OPERATING VOLTAGE:', 'MAXIMUM SYSTEM VOLTAGE:', and 'SHORT CIRCUIT CURRENT:'. Each label is followed by a white rectangular box for data entry.

PV SYSTEM DC DISCONNECT	
OPERATING CURRENT:	<input type="text"/>
OPERATING VOLTAGE:	<input type="text"/>
MAXIMUM SYSTEM VOLTAGE:	<input type="text"/>
SHORT CIRCUIT CURRENT:	<input type="text"/>

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- 2 DC combiners, DC junction boxes, DC disconnects and inverters – 64-066 (1) (b)
(Ungrounded systems only)



(VERBATIM PER APPENDIX B)

- 3 Inverters and equipment fed from two sources - 14-414 (3) – one for each source disconnect or one label on equipment indicating multiple disconnects must be opened



- 4 AC disconnects - 64-060 (10) & 84-024 (1) (i) – Inverter, utility and isolation AC disconnects



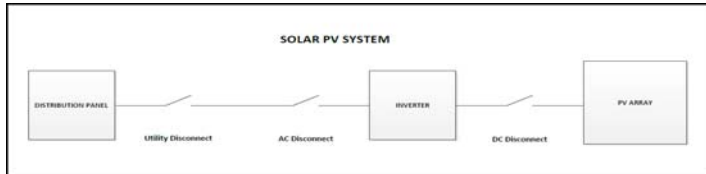
(VERBATIM PER APPENDIX B)

- 5 All PV interactive points with other sources - 64-072 - AC disconnects for inverters, panelboards, splitters etc.



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6 Meter location and service box - diagram - 64-074 (3)

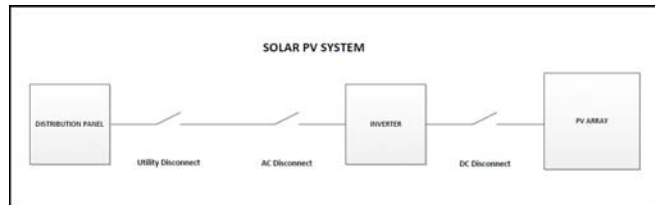


7 Backfed breaker - 64-112(4) (b) (iii) - Do not relocate overcurrent device

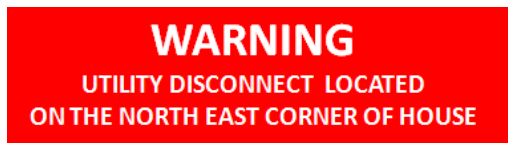


(VERBATIM PER APPENDIX B)

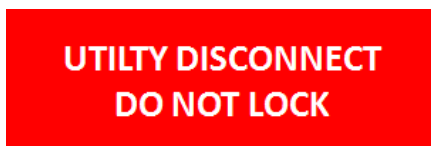
8 Utility disconnect - 84-030 (1) & (2) - warning & diagram (will accept diagram located on an adjacent meter socket)



9 Meter socket 84-030 & Manitoba Electrical Code technical interpretation 64-112-3 (provide location of utility disconnect when permitted to be not adjacent)



10 Utility disconnect – 84-024 (1) (i)



(VERBATIM)

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11 Rapid Shutdown – 64-200 (2) at the disconnecting means for the photovoltaic output circuit



12 Rapid Shutdown – 64-218 (6) at the supply authority meter location and at the consumer's service equipment location

