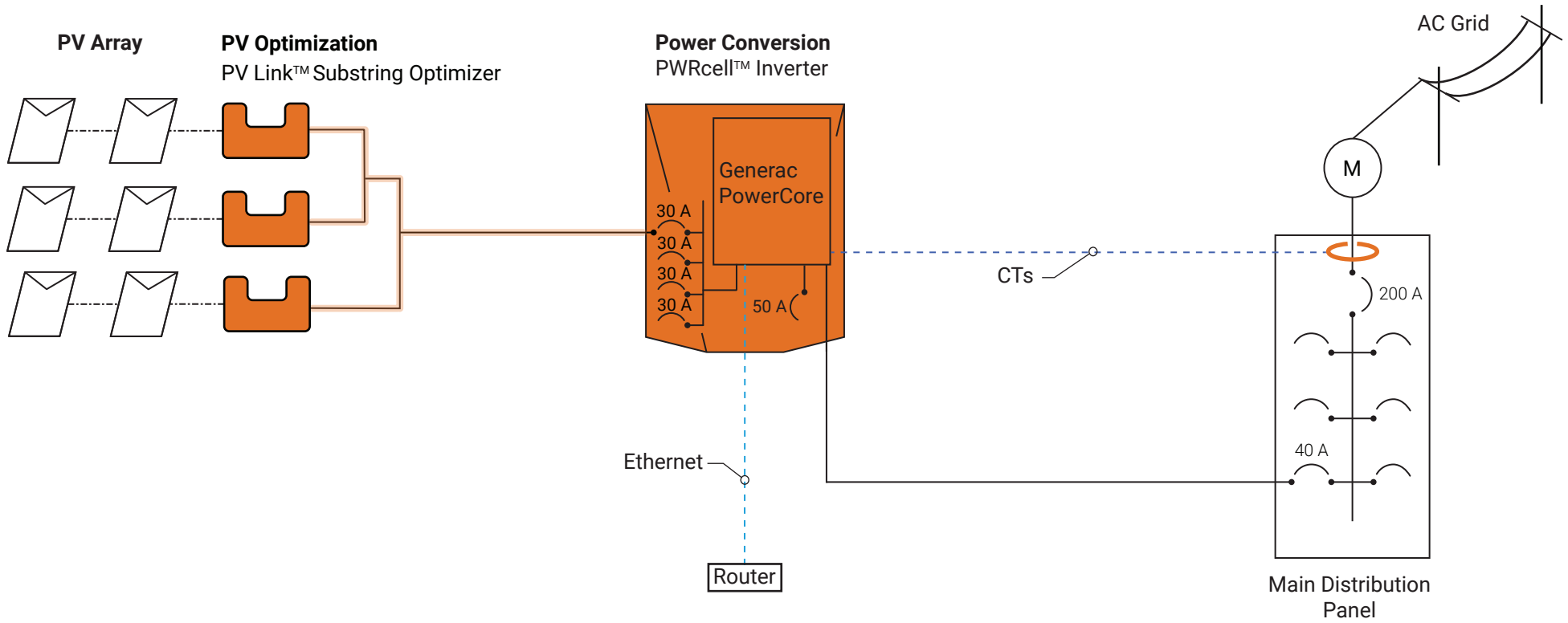

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.
*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00002-03

This design shows a PWRcell Inverter with PV Link optimizers installed for PV-only net metering. Additional DC disconnects allow for more PV and/or energy storage to be added later. This design is suitible for most residential 120 V / 240 V services.

Grid Tied PV / Battery Ready

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 CT Kit (included)

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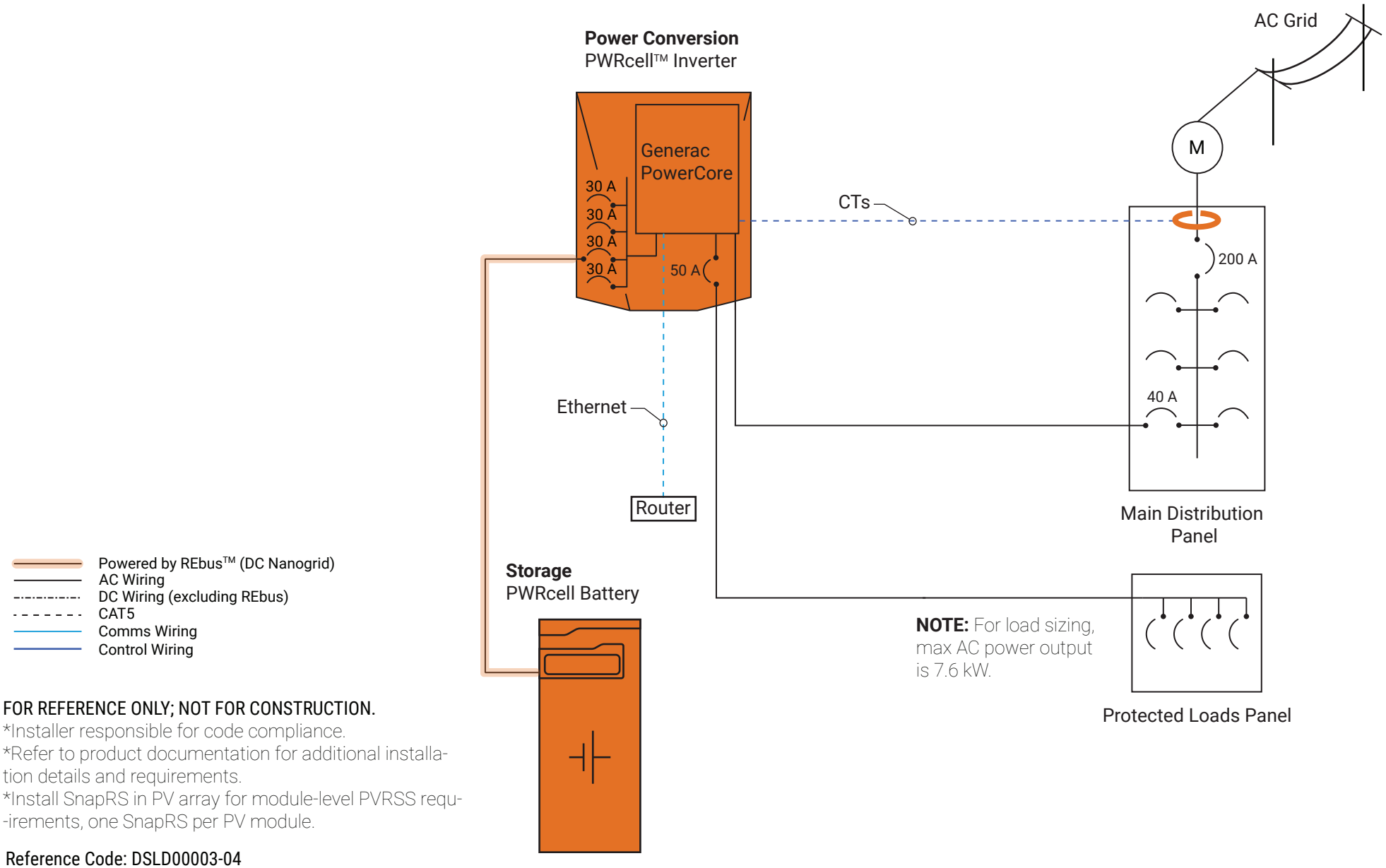

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*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00003-04

This design shows a PWRcell system with a Protected Loads panel. Utilize this design where roof installation for PV is not possible. There are DC inputs available for additional battery storage or to add PV in the future. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Battery Backup Only

- 1 PWRcell Inverter
- 1 PWRcell Battery
- 1 CT Kit (included)

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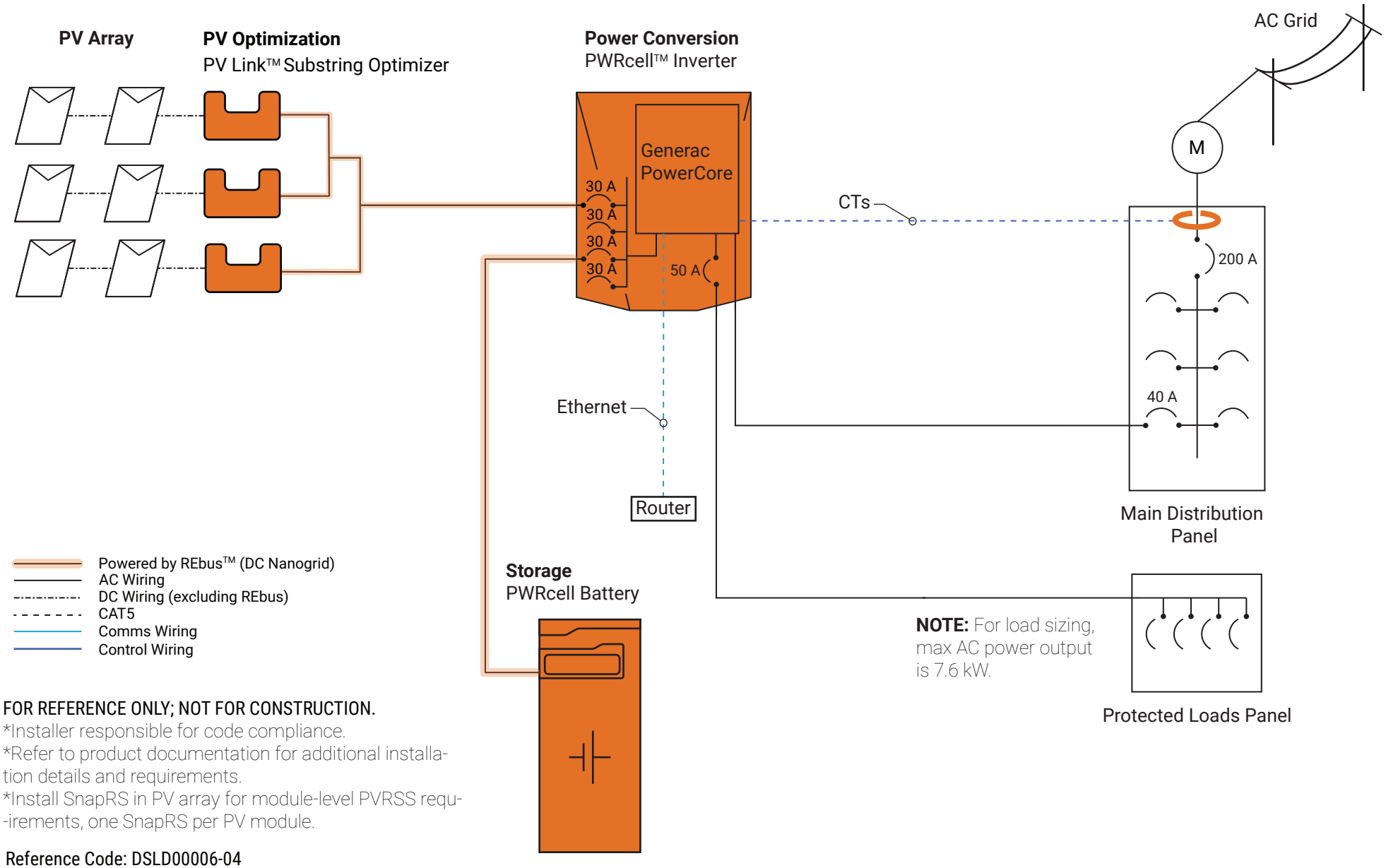

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*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00006-04

This design shows a PWRcell system with a Protected Loads panel. This design is suitable for most residential 120 V / 240 V services.

Protected Loads / Solar + Storage

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 PWRcell Battery
- 1 CT Kit (included)

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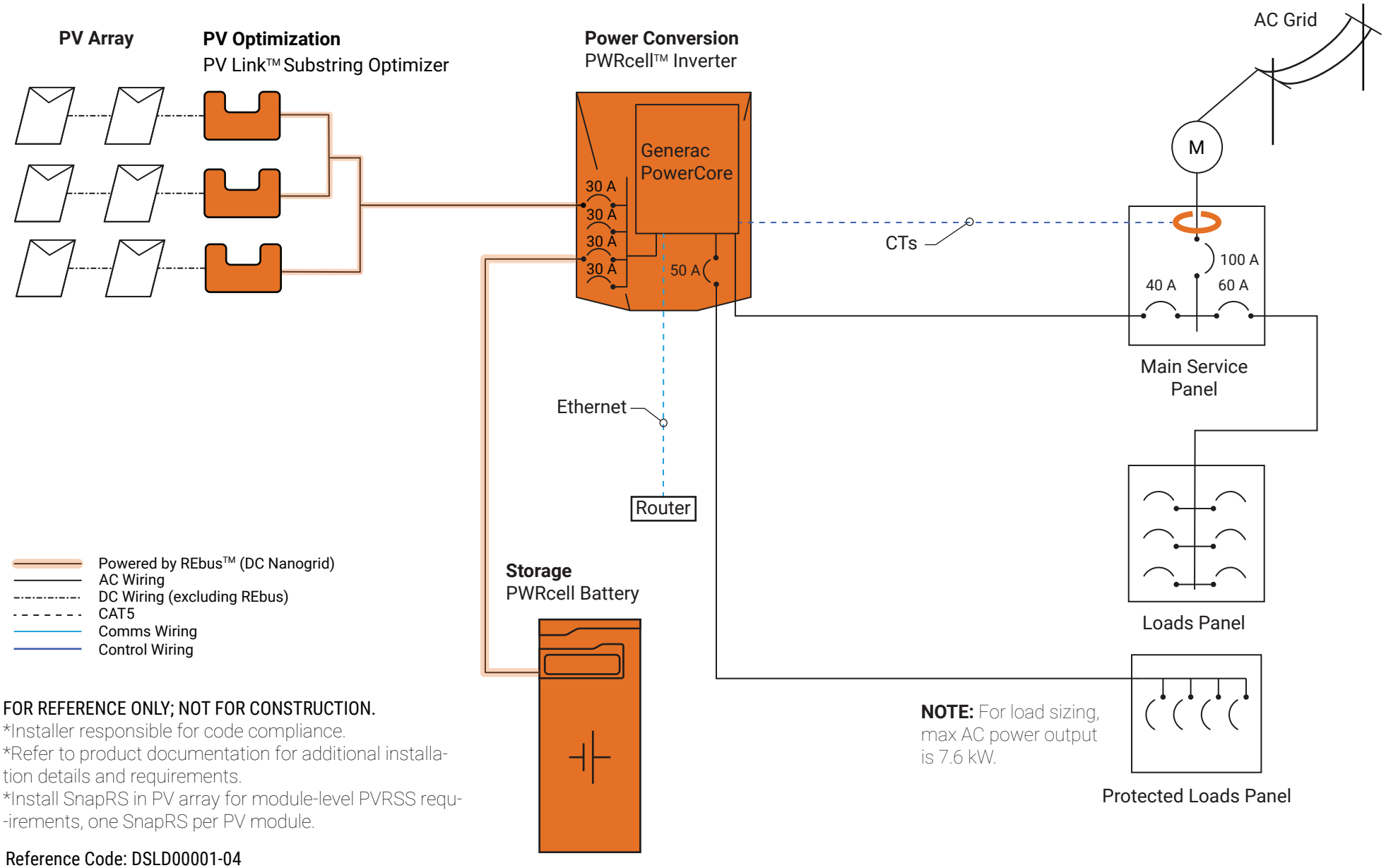

NOTE: For load sizing, max AC power output is 7.6 kW.

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*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00001-04

This design shows a PWRcell system with a Protected Loads panel. This design uses the sum rule method for the load side connection of an optional standby system. This design is suitible for most residential 100 A 120 V / 240 V services.

Protected Loads / 100 A Service Sum Rule

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 PWRcell Battery
- 1 CT Kit (included)

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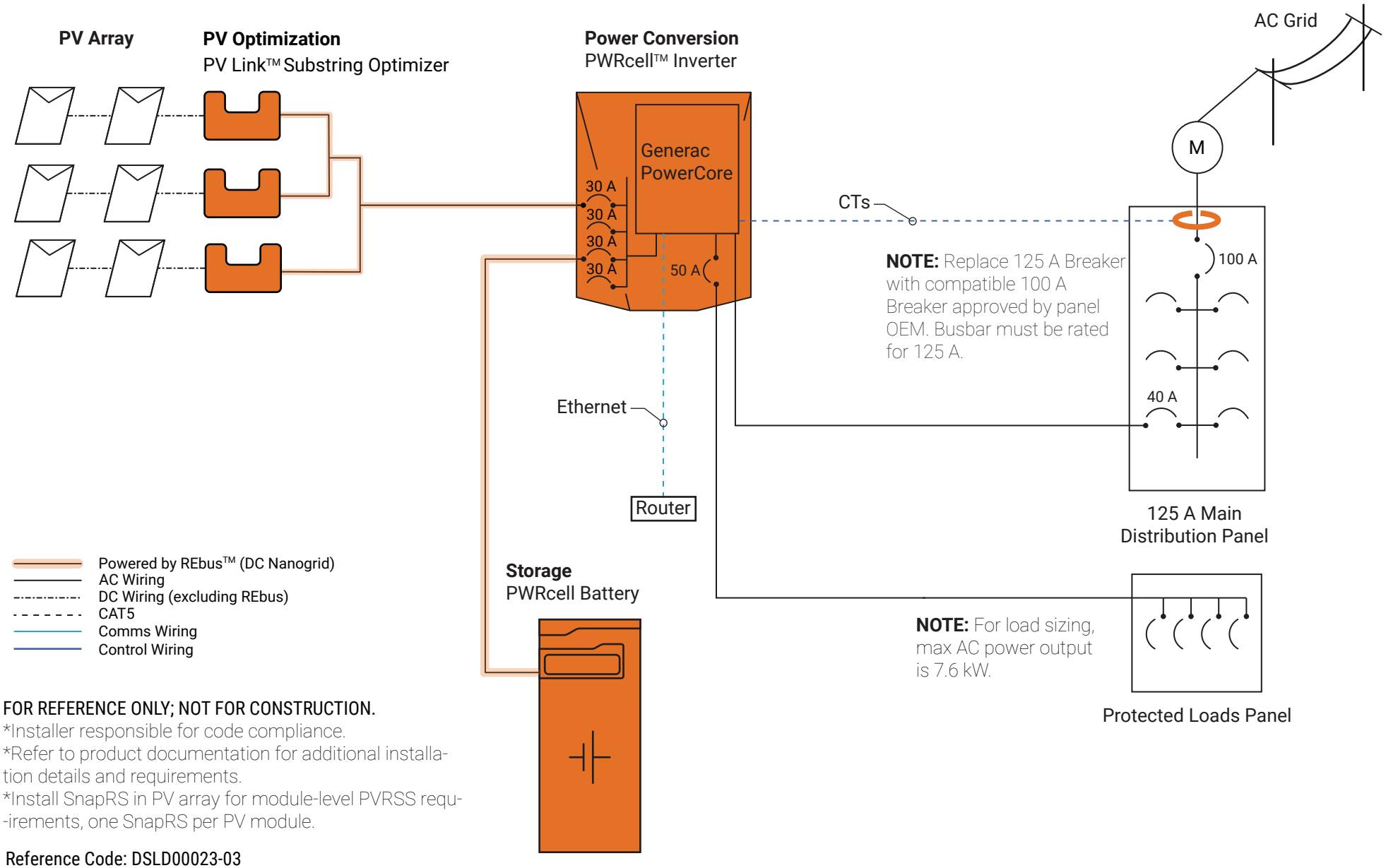

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00023-03

This design shows a PWRcell system with a Protected Loads panel. Install a service-rated panel rated for 125 A. Use a 100 A main breaker recognized by the panel manufacturer as compatible per product listing(s). This design is suitable for most residential 120 V / 240 V services.

Protected Loads / 100 A Service Panel Upgrade

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 PWRcell Battery
- 1 CT Kit (included)

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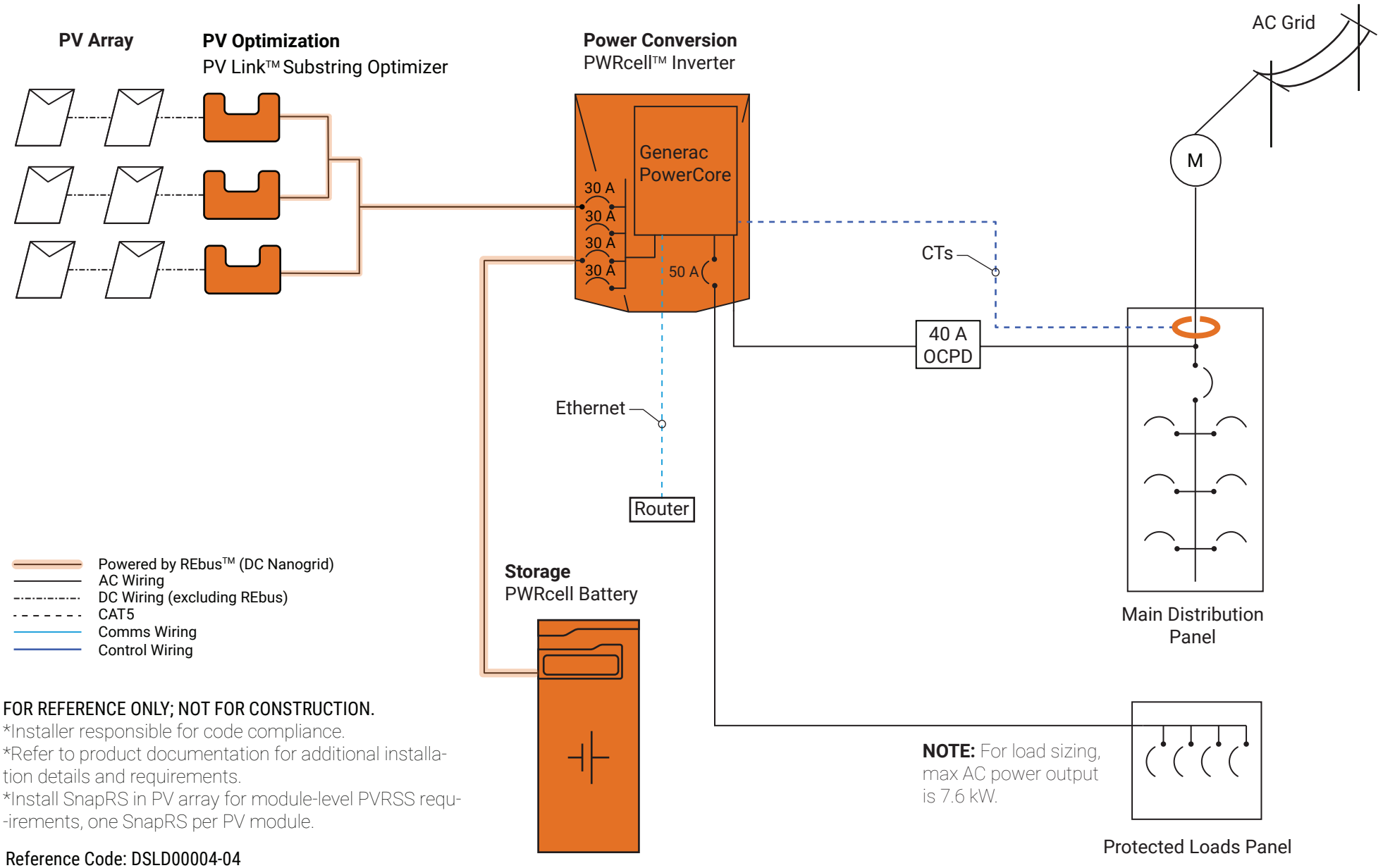

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*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00004-04

This design shows a PWRcell system with a Protected Loads panel. This design uses a line-side tap to connect the inverter AC Grid Connection when coupling via the main panel is not feasible. Contact the local utility to confirm that service-side taps are allowed. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Line-Side Tap

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 PWRcell Battery
- 1 CT Kit (included)

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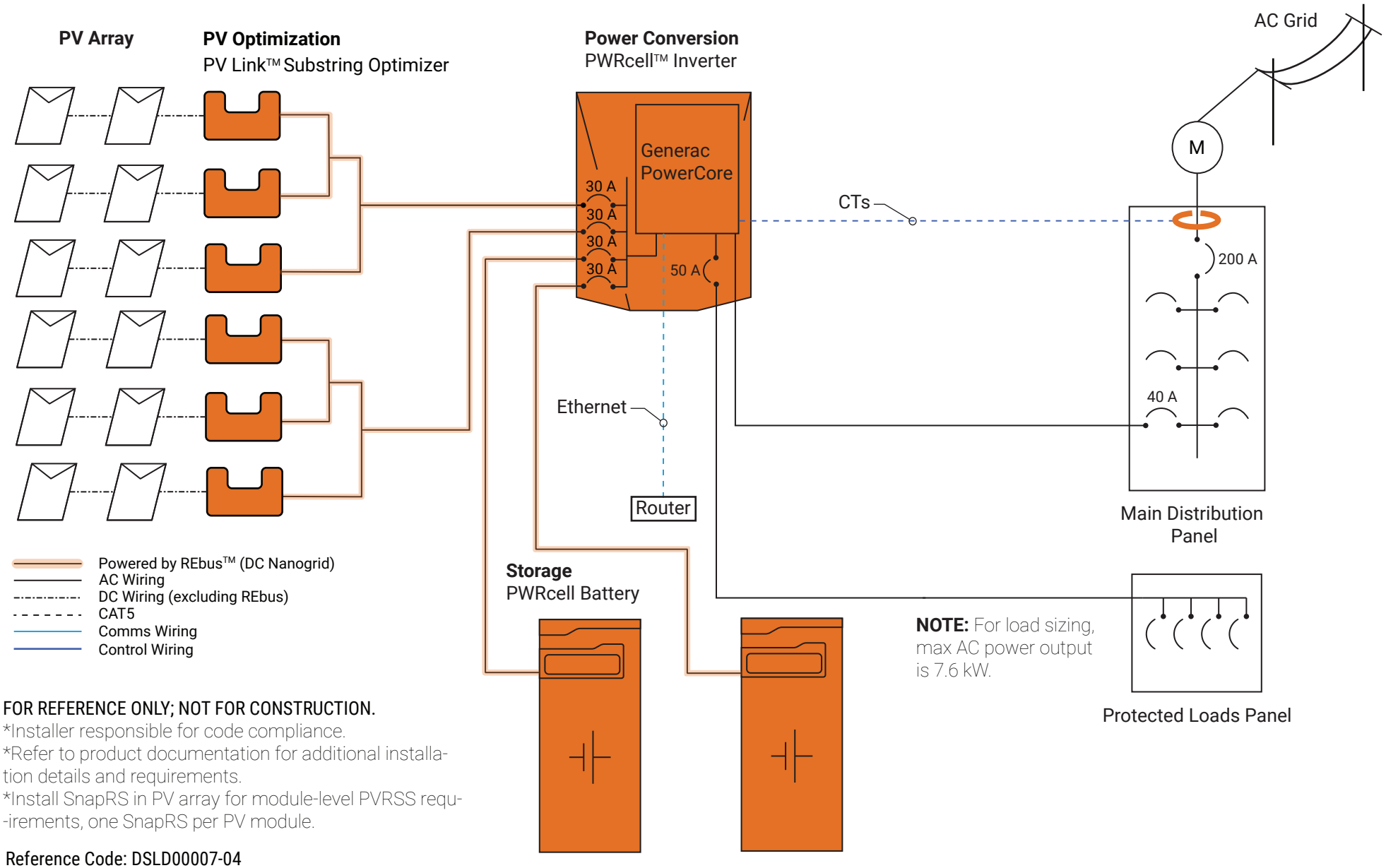

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*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00007-04

This design shows a Generac PWRcell system with a Protected Loads panel that is fully vutilizing the inverter DC input terminals for PV and energy storage. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Max. Capacity System

- 1 PWRcell Inverter
- 6 PV Links
- 2 PWRcell Batteries
- 1 CT Kit (included)

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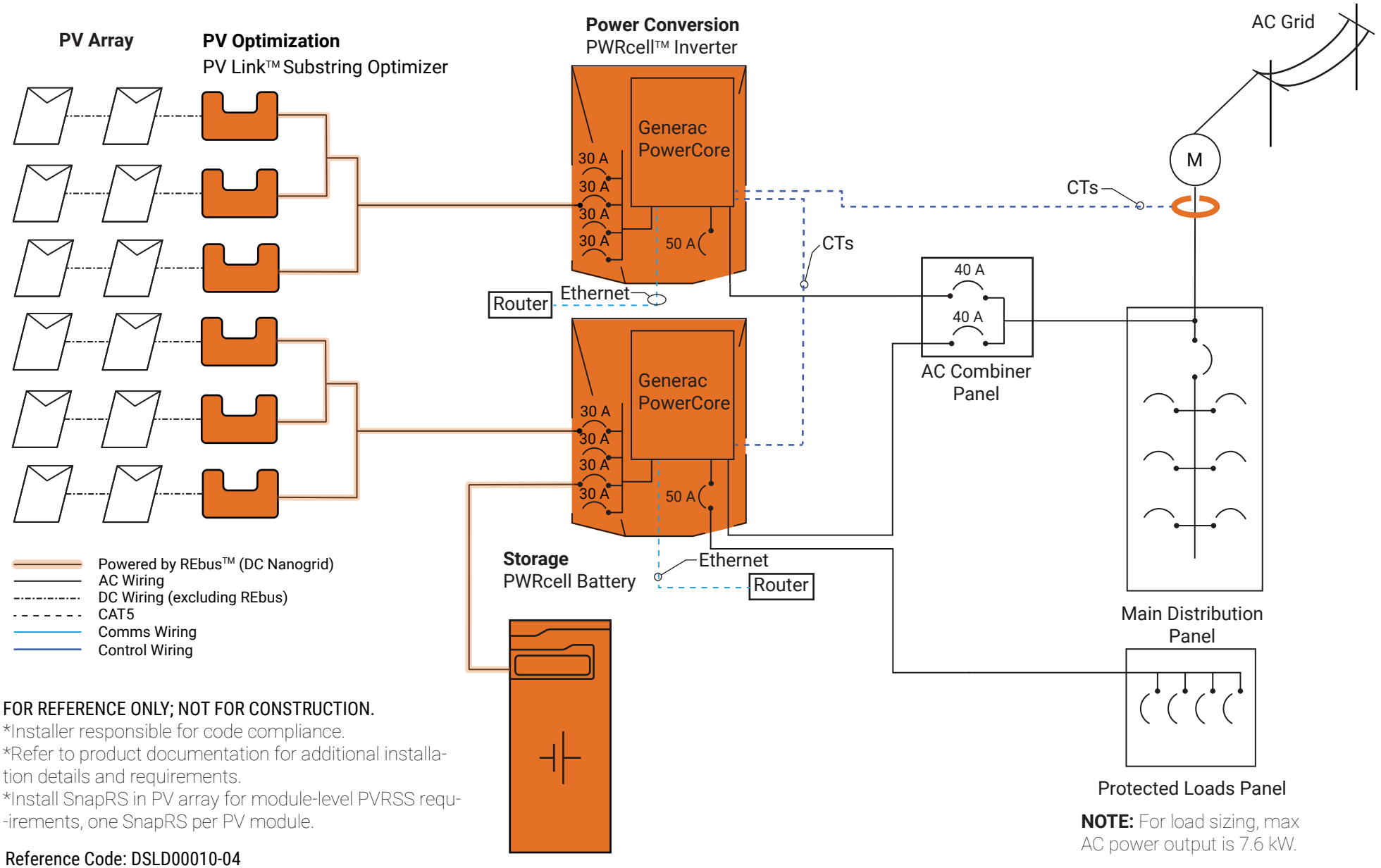

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*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

NOTE: For load sizing, max AC power output is 7.6 kW.

Reference Code: DSLD00010-04

This design shows a multi-system Generac PWRcell solution. One inverter has PV only while the other has PV and energy storage. If both inverters would have energy storage, they must support separate loads panels and must not have their Protected Loads outputs coupled. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Multi-System

- 2 PWRcell Inverters
- 6 PV Links (max. 6/Inv)
- 1 PWRcell Battery
- 2 CT Kits (included)

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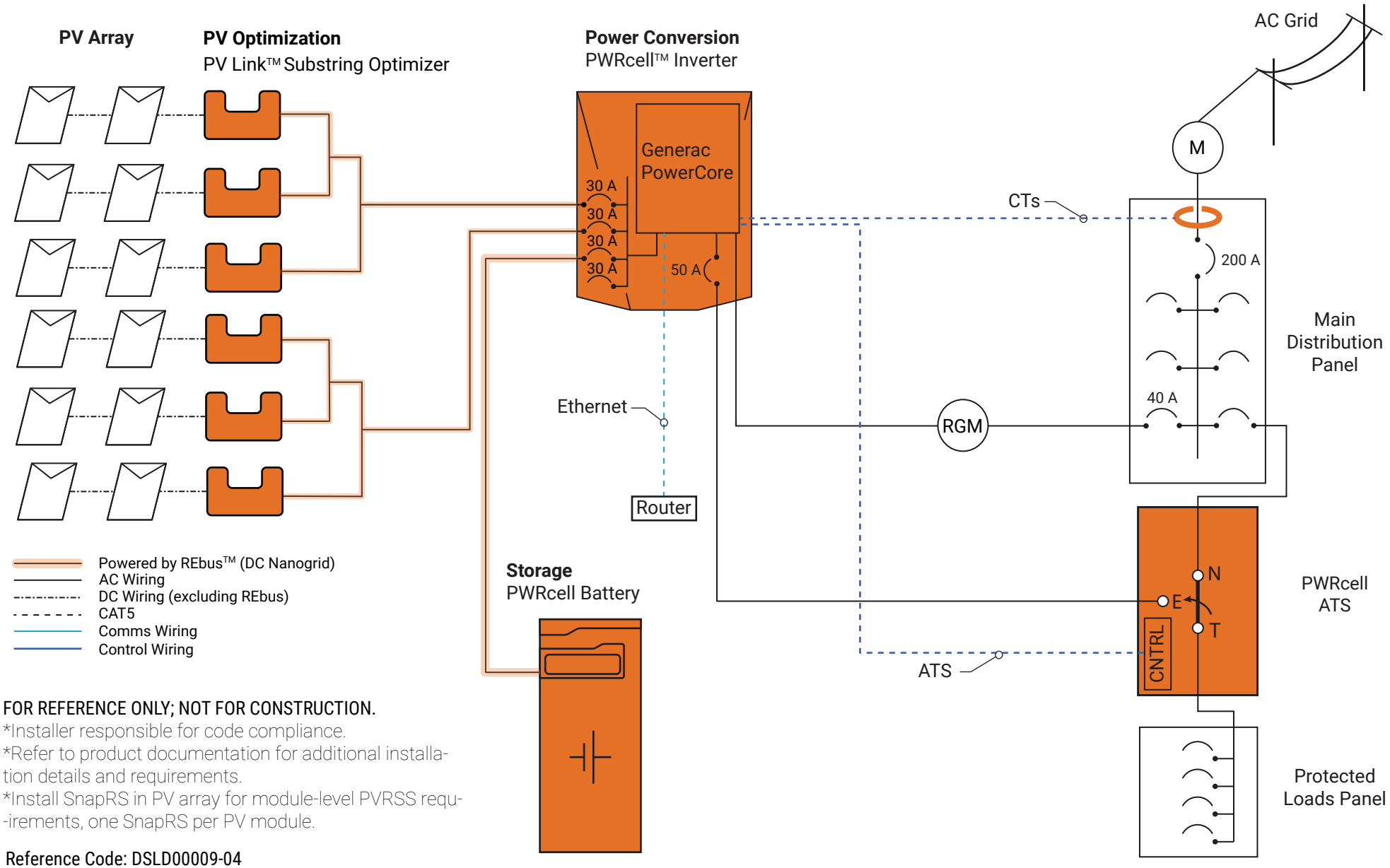

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*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00009-04

This design shows a PWRcell system with a revenue grade meter (RGM) connected for participation in a solar incentive program. Use this system configuration to maximize solar incentive credit and provide backup power to a protected loads panel. This design is suitable for most residential 120 V / 240 V services.

Protected Loads / Revenue Grade Meter

- 1 PWRcell Inverter
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (included)
- 1 PWRcell ATS

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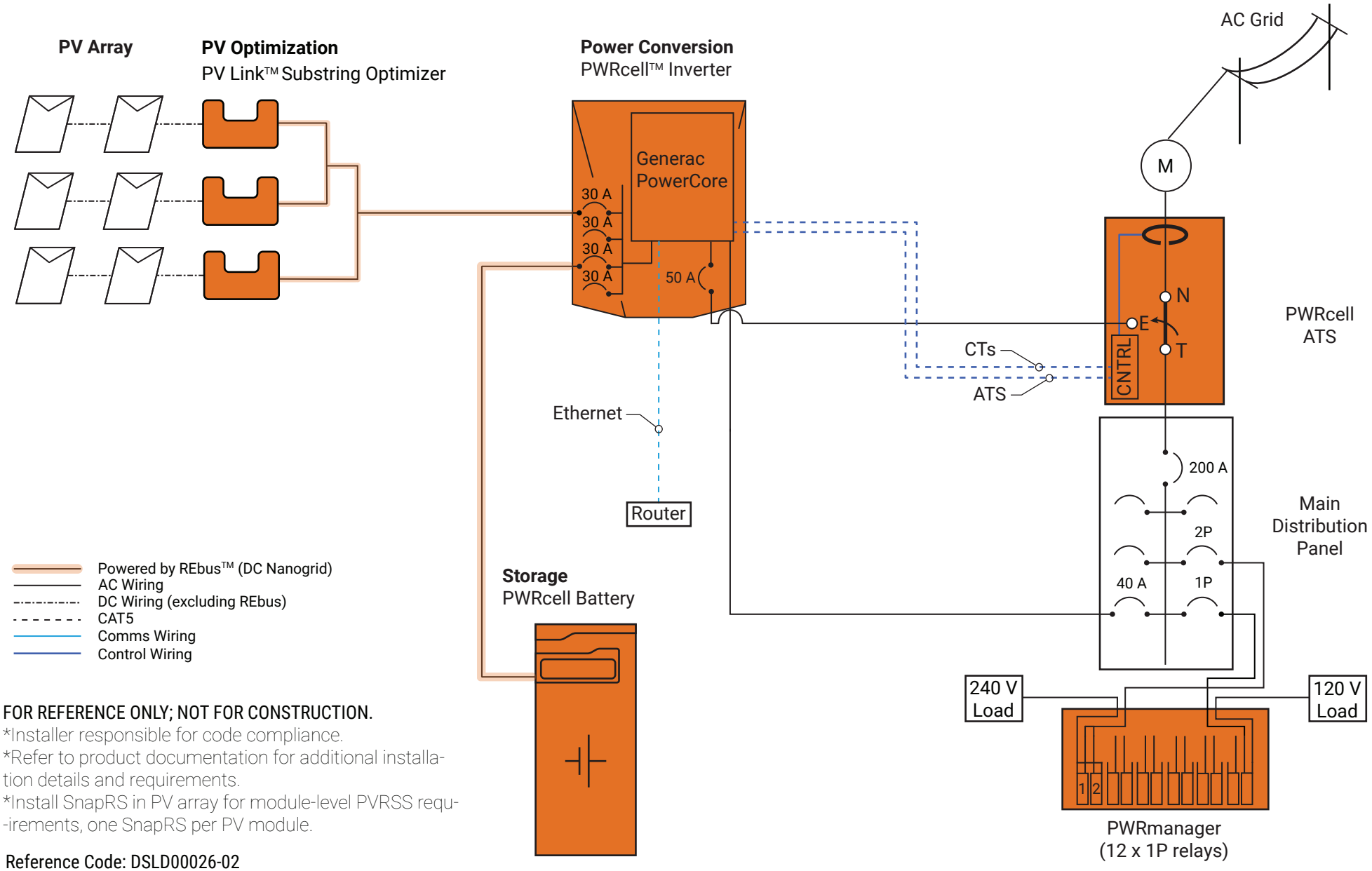

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00026-02

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. Use this system design to provide backup power to home loads. Use a Generac PWRmanager for load management of up to twelve 120 V loads or six 240 V loads. This design is suitable for most residential 120 V / 240 V services.

Whole Home Backup / PWRmanager

- 1 PWRcell Inverter
- 3 PV Links
- 1 PWRcell Battery
- 1 CT Kit (incl.)
- 1 PWRcell ATS
- 1 PWRmanager

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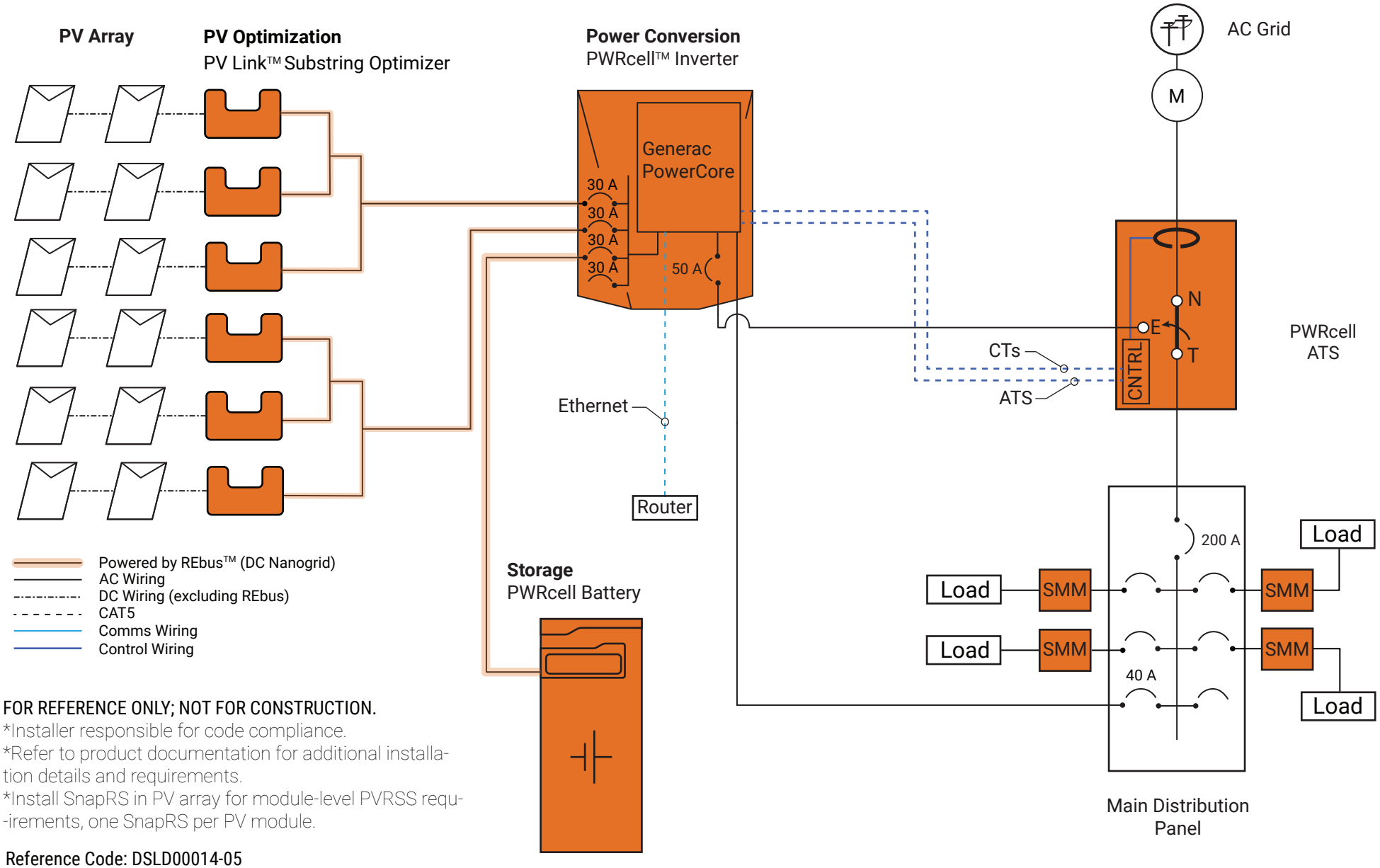

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.
*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00014-05

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. Use this system design to provide backup power to the home loads. This design uses Generac Smart Management Modules (SMMs) for load management. It is suitible for most residential 120 V / 240 V sevices.

Whole Home Backup / SMMs

- 1 PWRcell Inverter
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (incl.)
- 1 PWRcell ATS
- 4 Generac SMMs (max 8)

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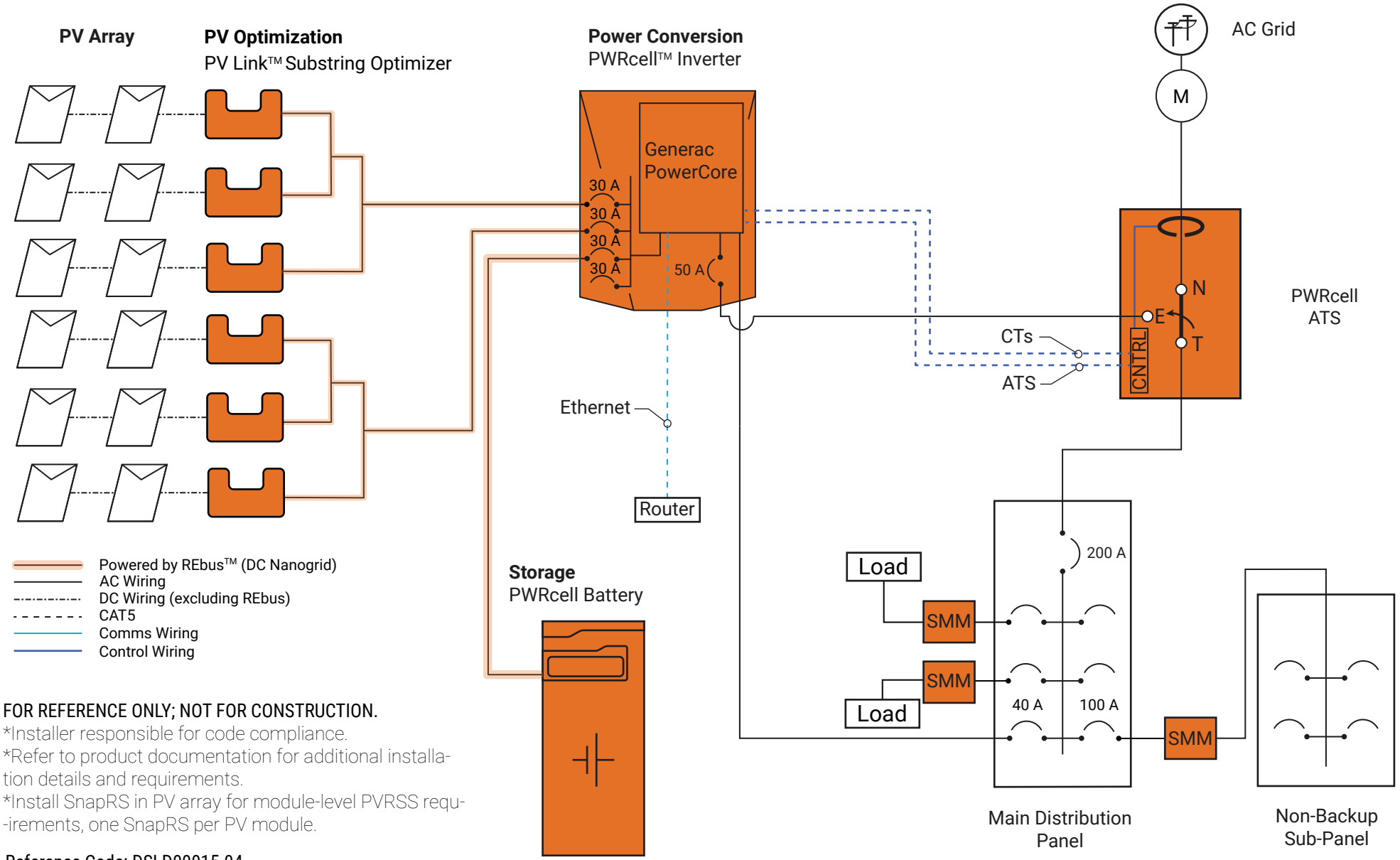

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.
*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00015-04

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. Use this design to provide backup power to the home loads. Generac Smart Management Modules (SMMs) are used for load management. This design uses a 100 A SMM to lockout an entire subpanel during an outage. This design suitible for most residential 120 V / 240 V services.

Whole Home Backup / SMMs 2

- 1 PWRcell Inverter
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (incl.)
- 1 PWRcell ATS
- 3 Generac SMMs (max 8)

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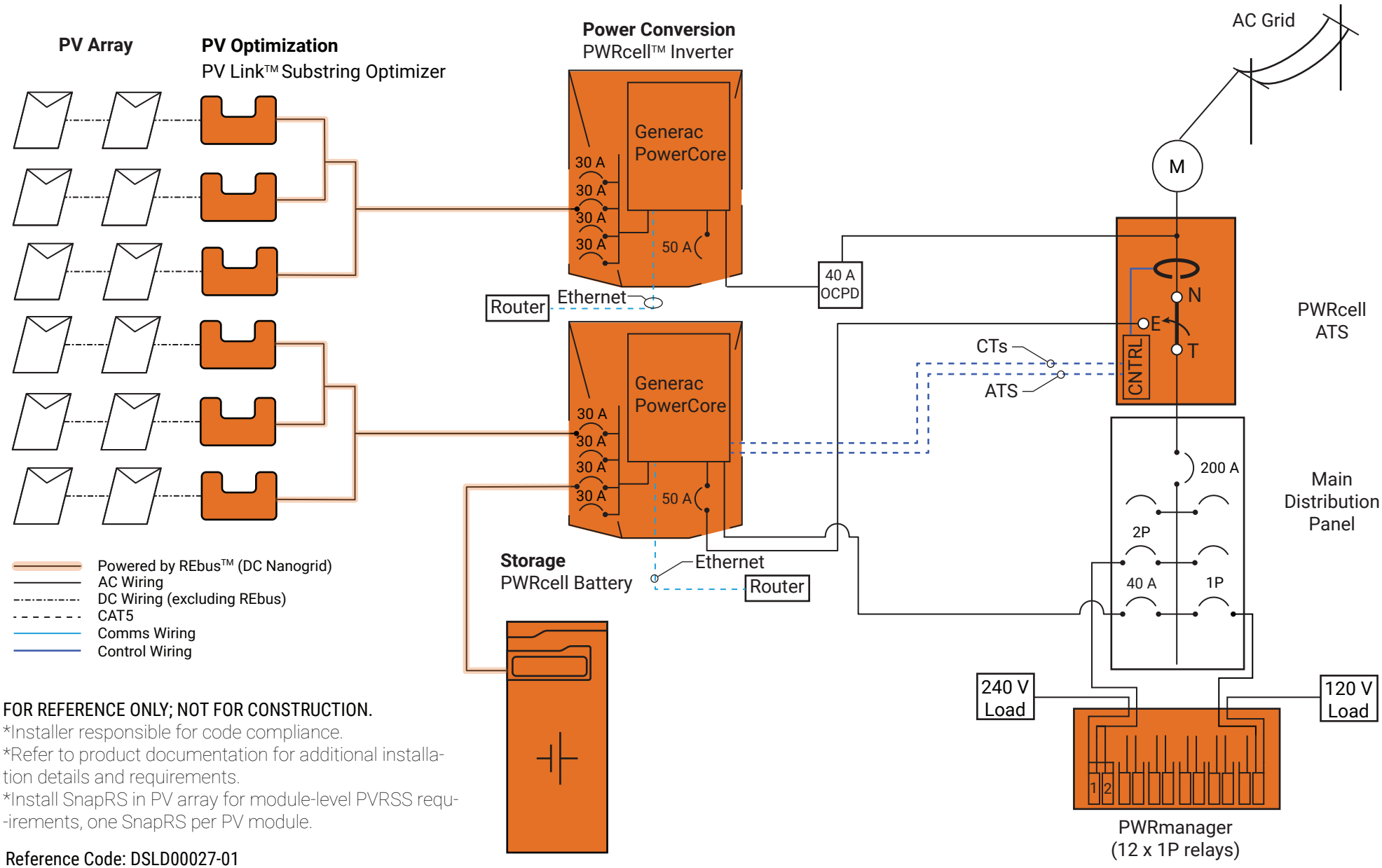

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.
*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00027-01

This design shows a multi-system Generac PWRcell solution. One inverter has PV only while the other has PV and energy storage to provide backup power to home loads. Generac PWRmanager is used for load management. This design is suitible for most residential 120 V / 240 V services.

Whole Home Backup / Multi-System

- 2 PWRcell Inverters
- 6 PV Links (max. 6/Inv)
- 1 PWRcell Battery
- 2 CT Kits (included)
- 1 PWRmanager

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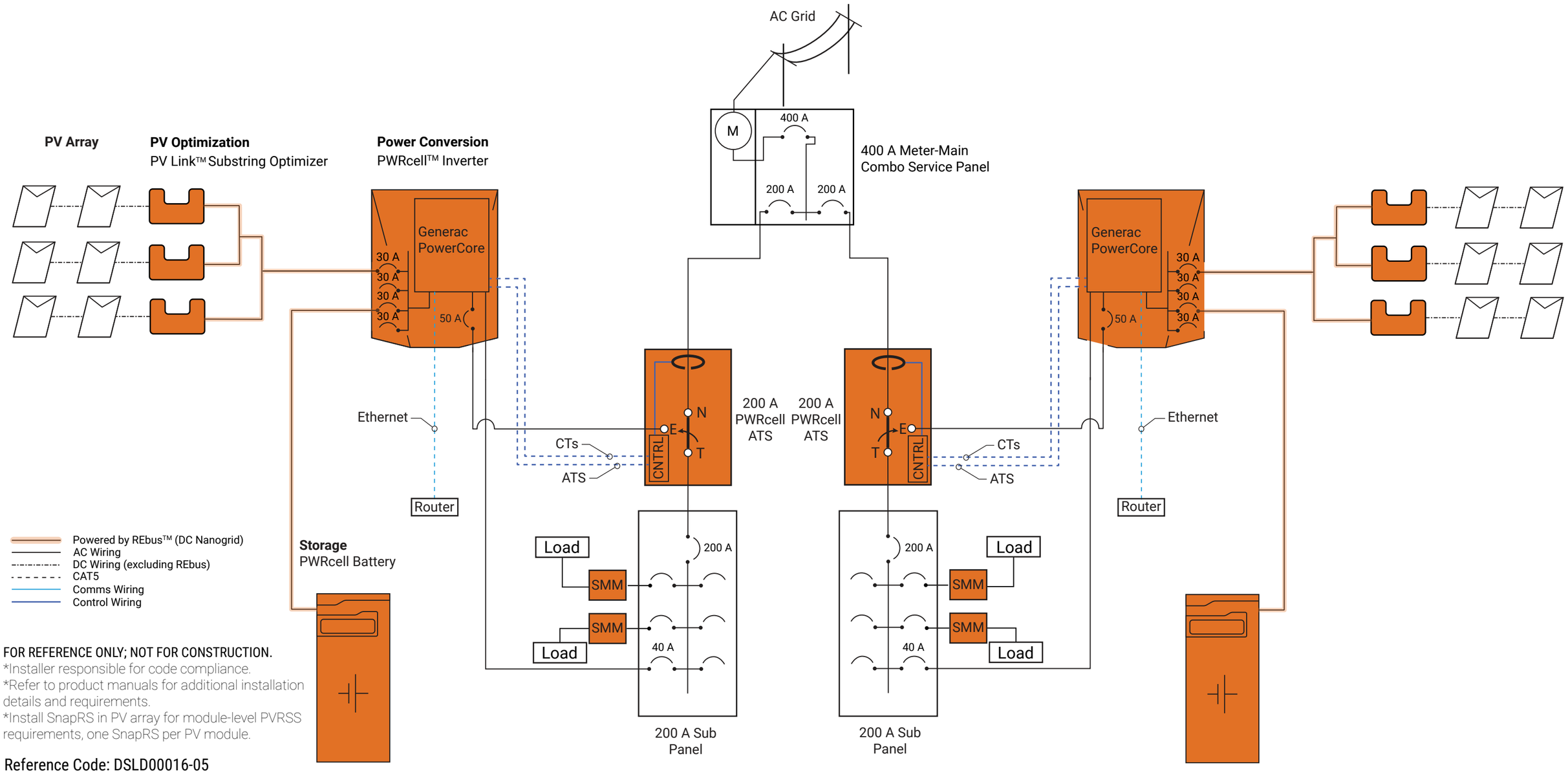

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.
*Installer responsible for code compliance.
*Refer to product manuals for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00016-05

This design shows two PWRcell systems, each connected to a PWRcell ATS for whole home backup. This system configuration will provide backup power to essential loads split between two sub-panels fed by meter-main combination equipment. This solution also applies to designs with seperate meter and service panel equipment. Utilize Generac load management as needed in accordance with NEC 702.4(B) and Article 220. If preferred, non-essential loads can be left in the meter-main where they will not be powered during a utility service interruption. This design is acceptable for most residential 400 A 120 V / 240 V services.

Whole Home Backup / 400 A Meter-Main

- 2 PWRcell Inverter
- 6 PV Links (max. 6/Inv)
- 2 PWRcell Battery
- 2 CT Kit (incl.)
- 2 200 A PWRcell ATS
- 4 SMMs

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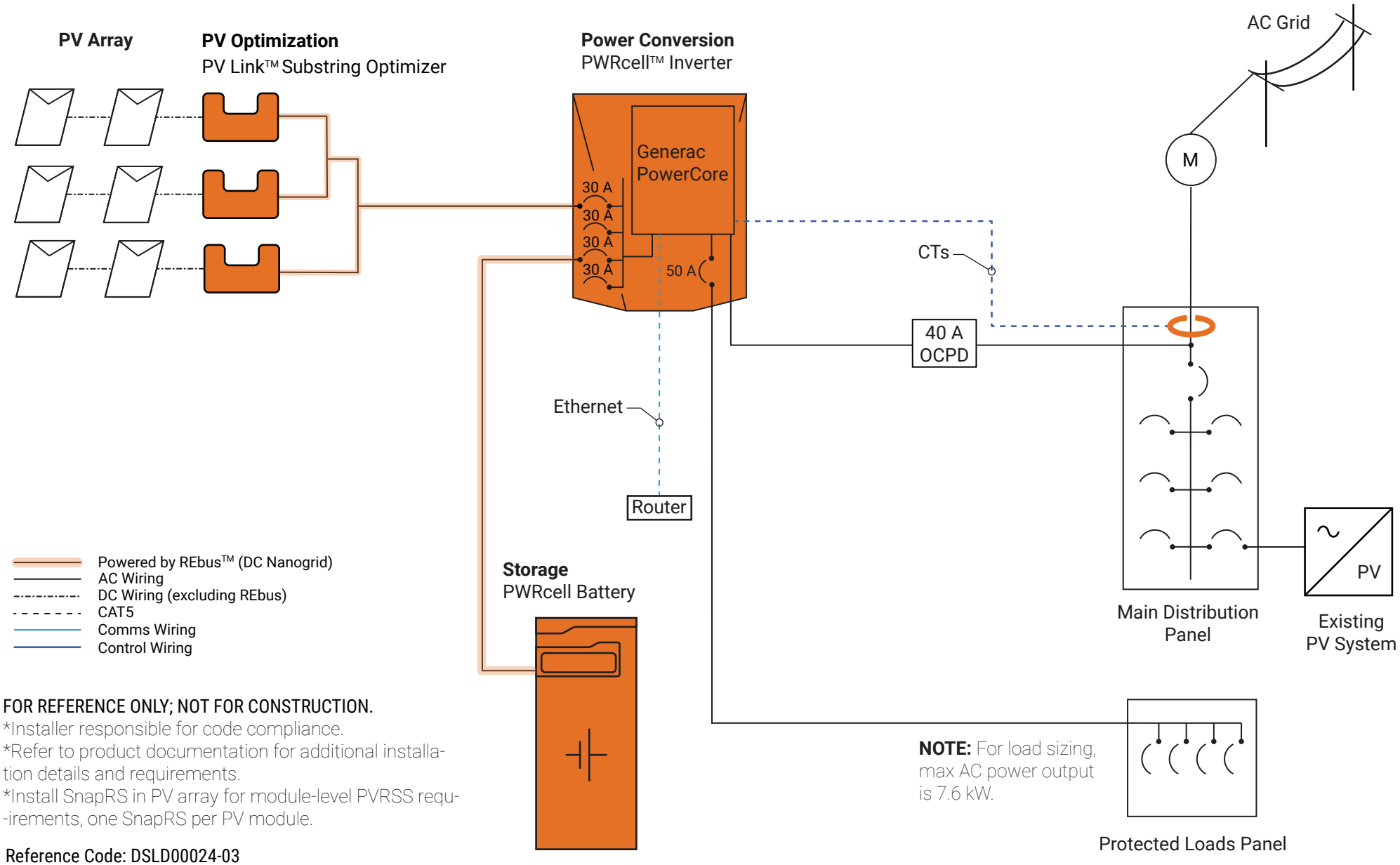

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*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00024-03

This design shows a Generac PWRcell system with a Protected Loads panel to provide backup power to essential loads. An existing PV system is not coupled to the PWRcell system and will not be supported during a grid outage. It is suitible for most residential 120 V / 240 V sevices.

Protected Loads / Existing PV System

- 1 PWRcell Inverter
- 3 PV Links (max 6)
- 1 PWRcell Battery
- 1 CT Kit (included)

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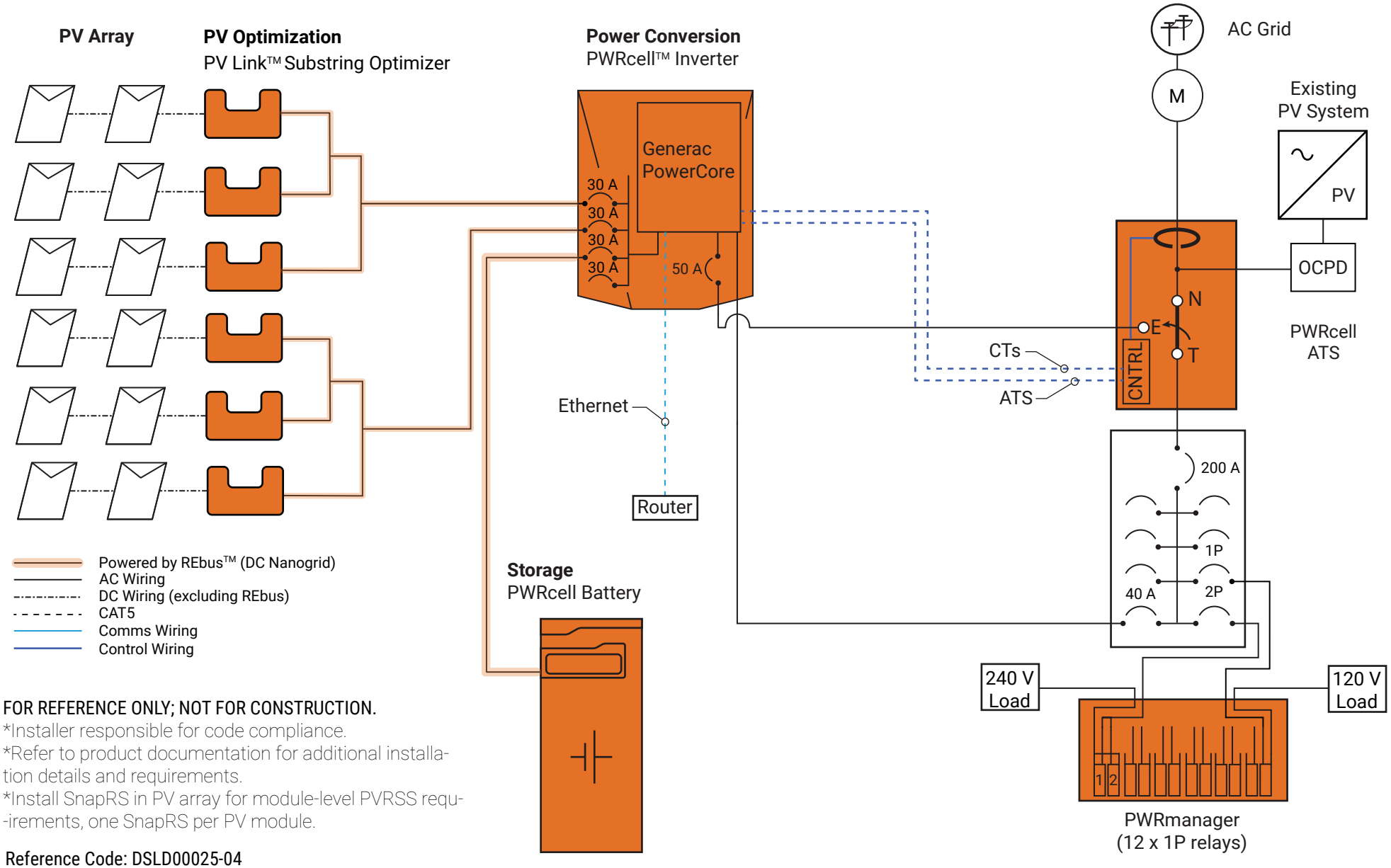

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*Installer responsible for code compliance.
*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00025-04

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. An existing PV system is not coupled to the PWRcell system and will not be supported during a grid outage. This design provides backup power to the home loads using a PWRmanager for load management. It is suitible for most residential 120 V / 240 V sevices.

Whole Home Backup / Existing PV System

- 1 PWRcell Inverter
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (incl.)
- 1 PWRcell ATS
- 1 PWRmanager

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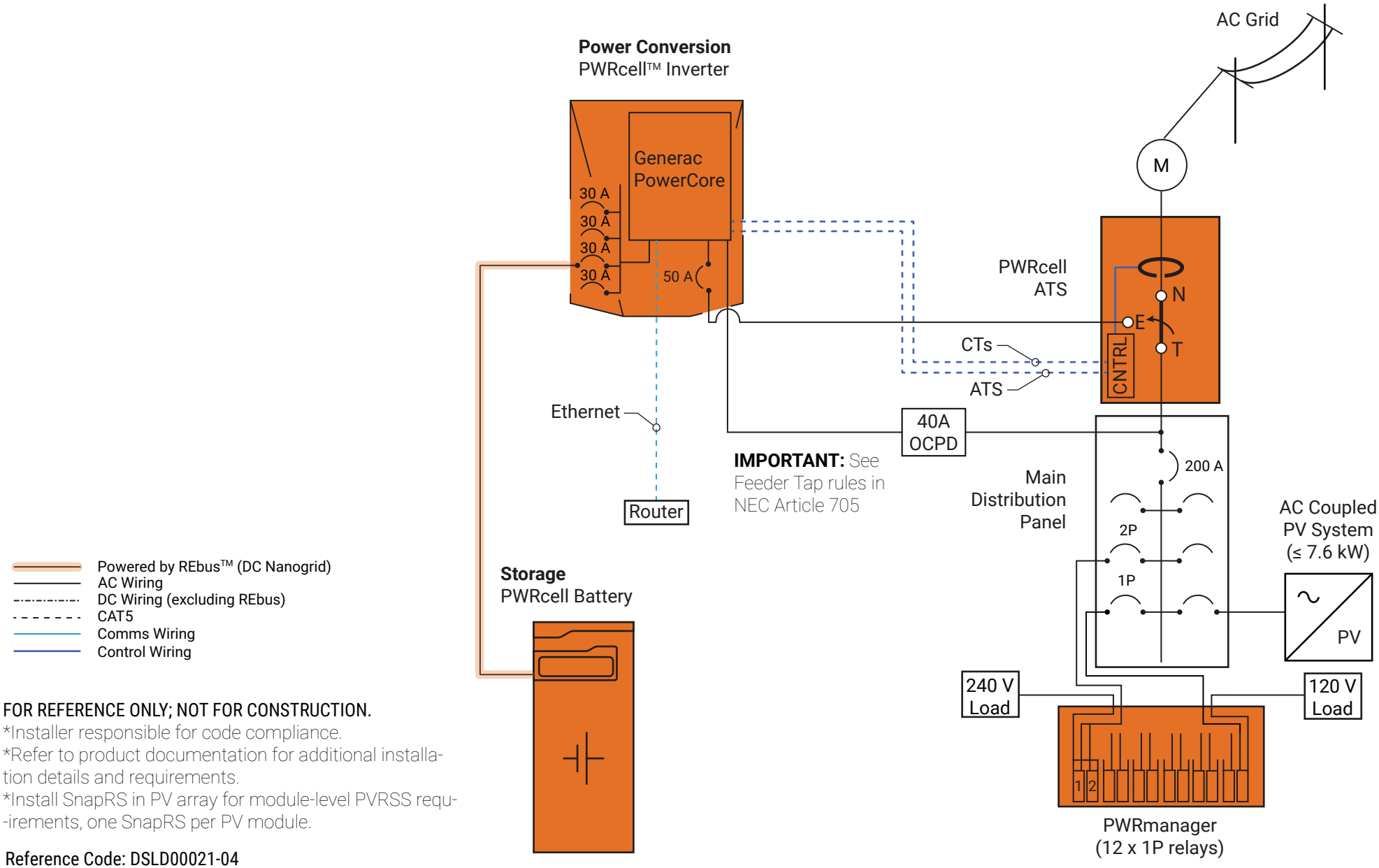

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*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00021-04

This design shows a Generac PWRcell system with a PWRcell ATS in a whole home backup configuration utilizing AC-coupled PV to charge the PWRcell Battery during an outage. This design also provides backup power to house loads during an outage using a PWRmanager for load management. It is suitable for most residential 120 V / 240 V services.

AC-Coupled PV / Feeder Tap

- 1 PWRcell Inverter
- 1 PWRcell Battery
- 1 PWRmanager
- 1 CT Kit (incl.)
- 1 PWRcell ATS

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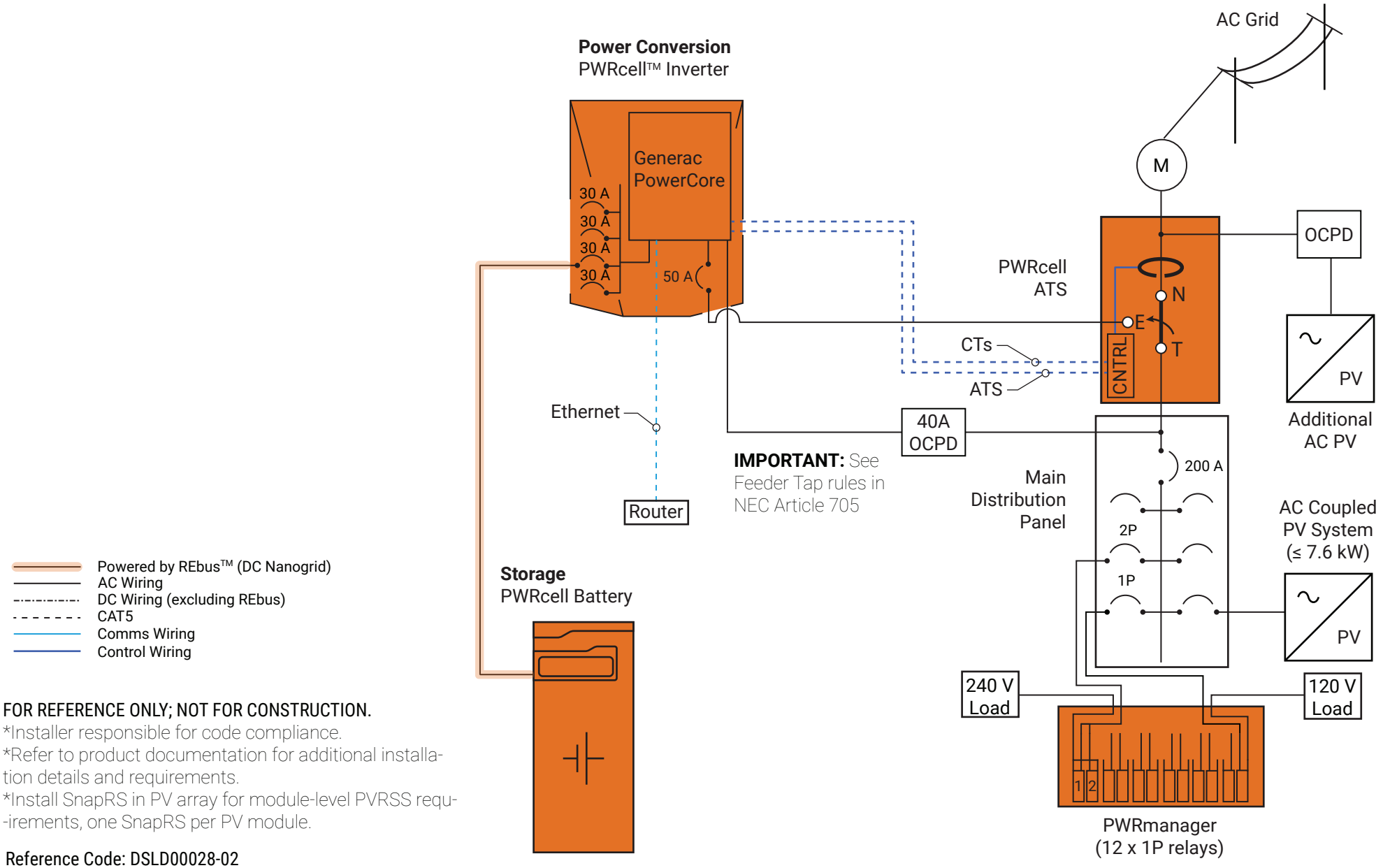

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00028-02

This design shows a Generac PWRcell system with a PWRcell ATS in a whole home backup configuration utilizing AC-coupled PV to charge the PWRcell Battery during an outage. Additional AC PV is installed line-side of the PWRcell ATS. This design also provides backup power to house loads during an outage using a PWRmanager for load management. It is suitable for most residential 120 V / 240 V services.

AC-Coupled PV / Feeder Tap w/Additional AC PV

- 1 PWRcell Inverter
- 1 PWRcell Battery
- 1 PWRmanager
- 1 CT Kit (incl.)
- 1 PWRcell ATS

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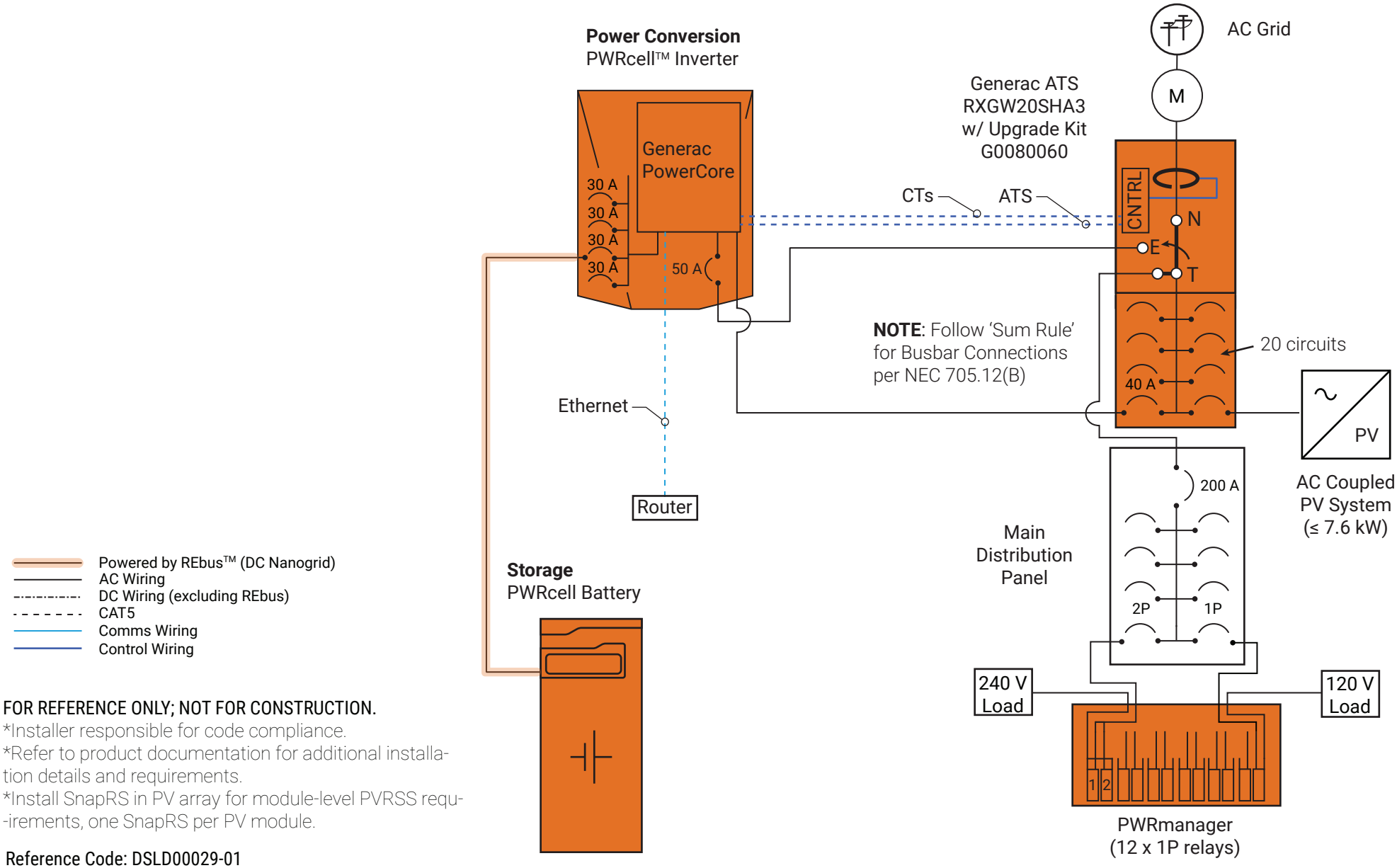

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*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00029-01

This design shows a Generac PWRcell system with a Generac ATS in a whole home backup configuration utilizing AC-coupled PV to charge the PWRcell Battery during an outage. This design also provides backup power to house loads during an outage using PWRmanager for load management. The inverter and AC-coupled PV system interconnect in the ATS's integrated panelboard. It is suitable for most residential 120 V / 240 V services.

AC-Coupled PV / ATS Panelboard

- 1 PWRcell Inverter
- 1 PWRcell Battery
- 1 PWRmanager
- 1 CT Kit (incl.)
- 1 RXGW20SHA3
- 1 G0080060 Upgrade Kit

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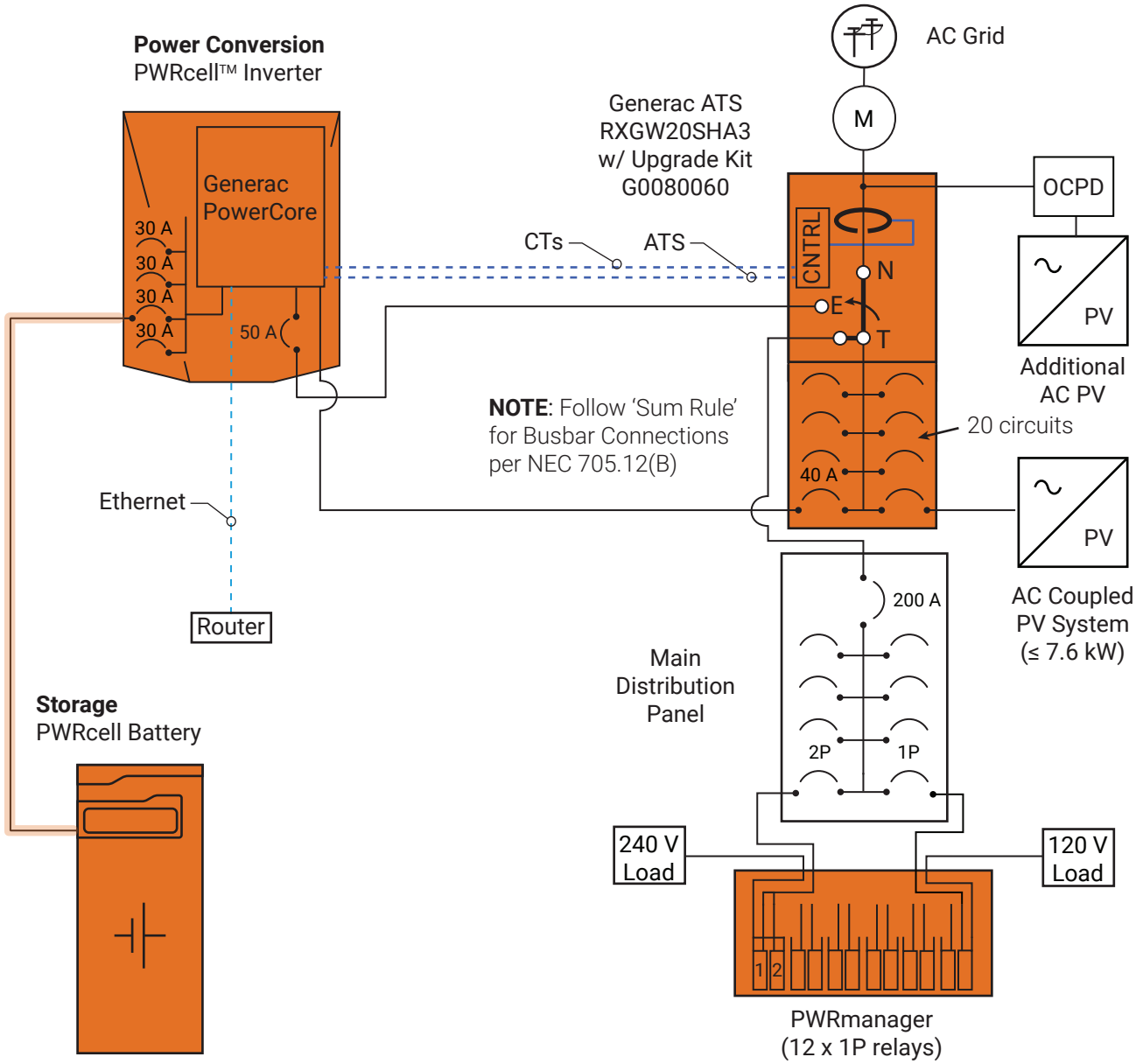

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*Refer to product documentation for additional installation details and requirements.
*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00030-01

This design shows a Generac PWRcell system with a Generac ATS in a whole home backup configuration utilizing AC-coupled PV to charge the PWRcell Battery during an outage. This design also provides backup power to house loads during an outage using PWRmanager for load management. The inverter and AC-coupled PV system interconnect in the ATS's integrated panelboard. It is suitable for most residential 120 V / 240 V services.

AC-Coupled PV / ATS Panelboard w/Add. AC PV

- 1 PWRcell Inverter
- 1 PWRcell Battery
- 1 PWRmanager
- 1 CT Kit (incl.)
- 1 RXGW20SHA3
- 1 G0080060 Upgrade Kit

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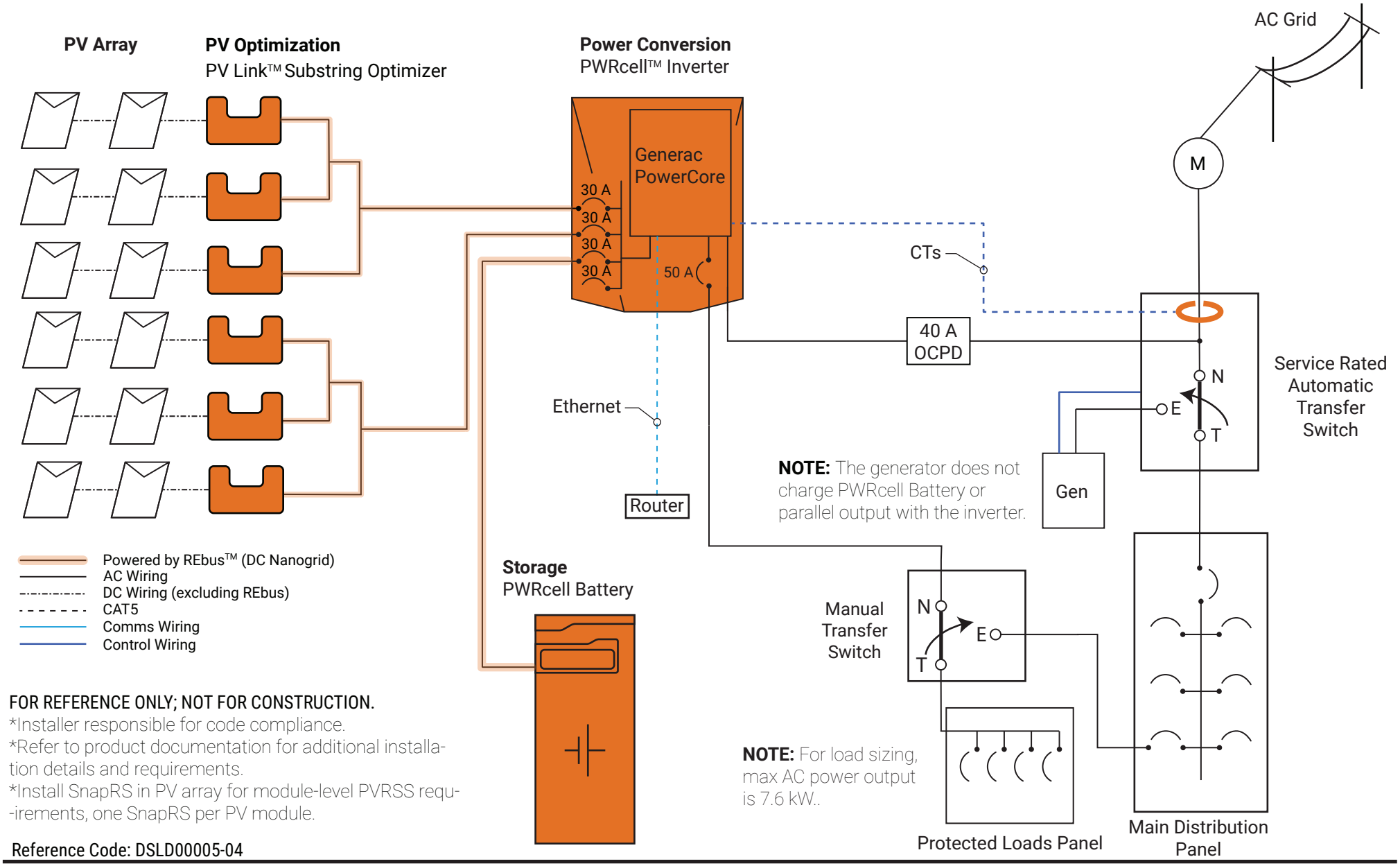

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

*Installer responsible for code compliance.

*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00005-04

This design shows a PWRcell system configured with a non-Generac generator. This design isolates the generator from the inverter and involves a line-side tap and two transfer switches. The inverter output supports a loads panel that can also be transferred to the generator. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Existing Generator

- 1 PWRcell Inverter
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (included)

Part No. A0000521683 | Rev. J | 30 SEP 2022

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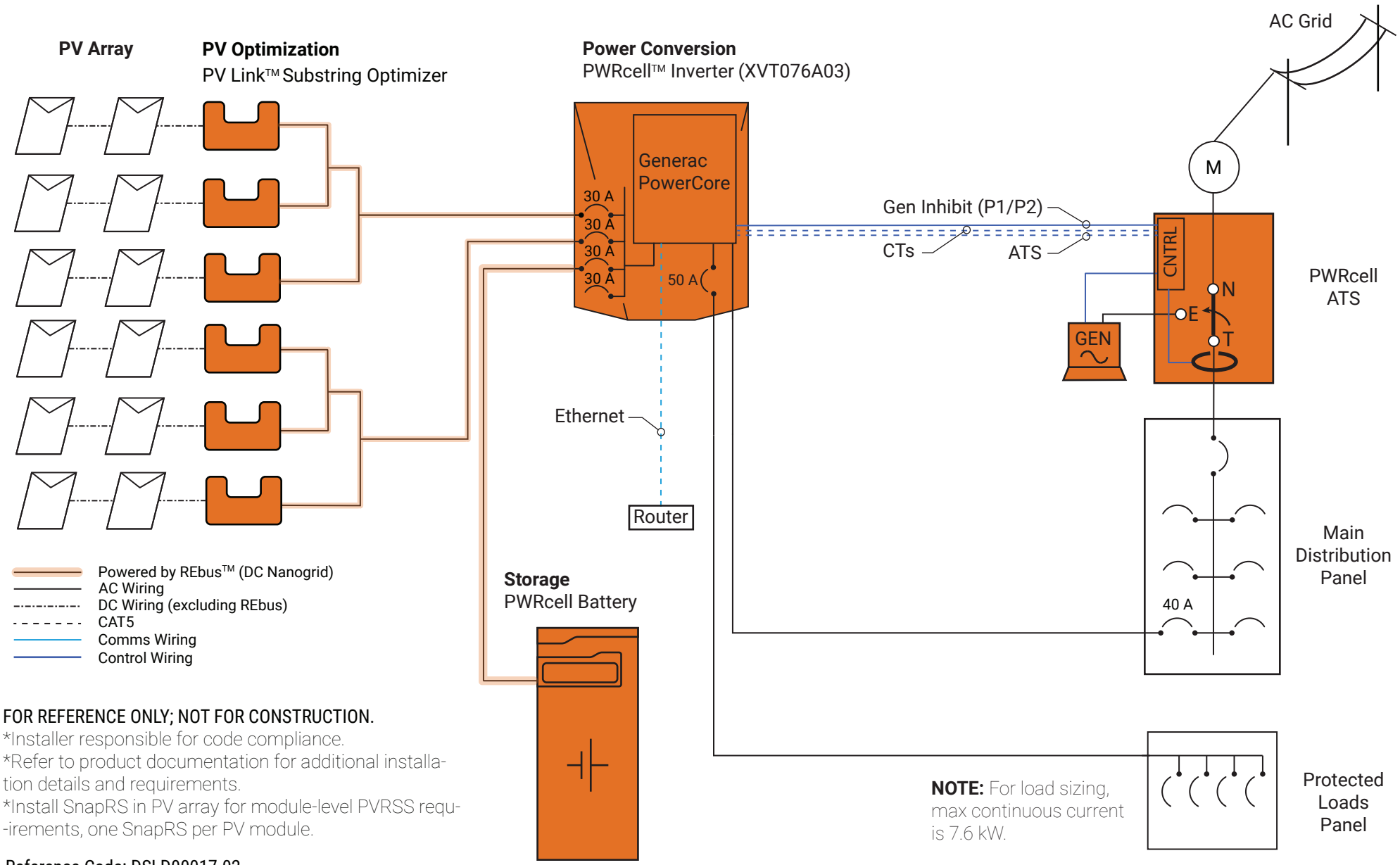

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*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

NOTE: For load sizing, max continuous current is 7.6 kW.

Reference Code: DSLD00017-02

This design shows a PWRcell system integrating a Generac generator. The inverter backs up a protected loads panel when the generator is not turned on. When turned on, the generator supports all house loads and can charge the PWRcell Battery. It is suitable for most residential 120V/240 V services. Recommended generator control modes: "Single Transfer" or "Source Cycling".

AC Generator Integration / Flexible Coverage

- 1 PWRcell Inverter (XVT076A03)
- 6 PV Links
- 1 PWRcell Battery
- 1 CT Kit (incl.)
- 1 PWRcell ATS
- 1 Generac AC Generator

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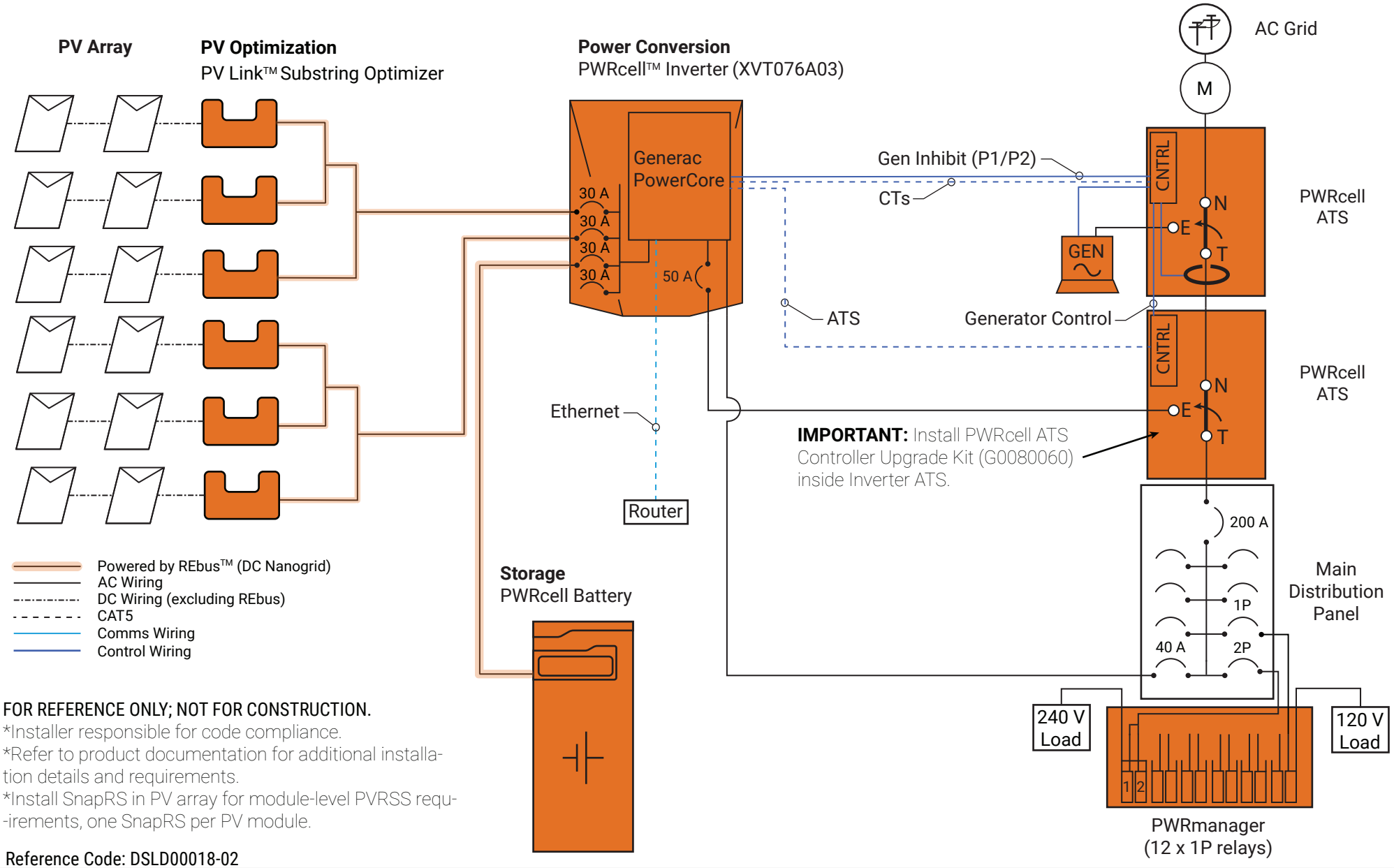

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

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*Refer to product documentation for additional installation details and requirements.

*Install SnapRS in PV array for module-level PVRSS requirements, one SnapRS per PV module.

Reference Code: DSLD00018-02

This design shows a PWRcell system integrating a Generac generator. In this configuration, either the PWRcell system or the generator will provide whole home backup. When turned on, the generator can also charge the PWRcell Battery. This design uses PWRmanager for load management. It is suitable for most residential 120 V / 240 V services. Recommended generator control mode: "Source Cycling".

AC Generator Integration / Whole Home Backup

- 1 PWRcell Inverter (XVT076A03)
- 6 PV Links
- 1 PWRcell Battery
- 1 Generac AC Generator
- 1 CT Kit (incl.)
- 2 PWRcell ATS
- 1 PWRmanager
- 1 G0080060 Upgrade Kit

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