

- DC Wiring (excluding REbus)
- CAT5 **Comms Wiring**
- **Control Wiring**

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 requ--irements, 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 - 3 PV Links (max 6) design is suitible for most residential 120 V / 240 V services.

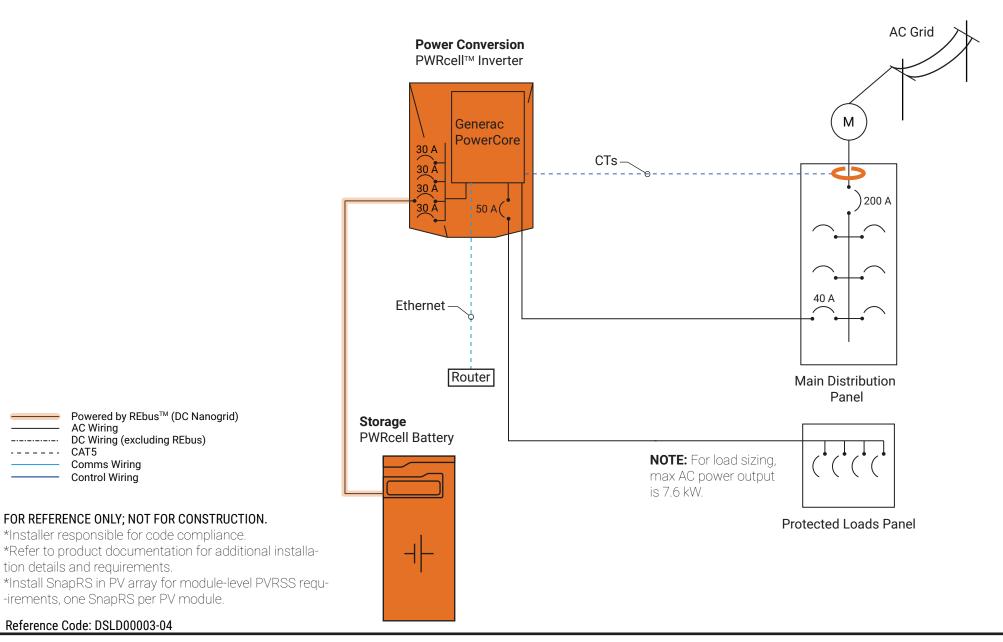
Grid Tied PV / Battery Ready

- 1 PWRcell Inverter

- 1 CT Kit (included)



Page 01 of 23



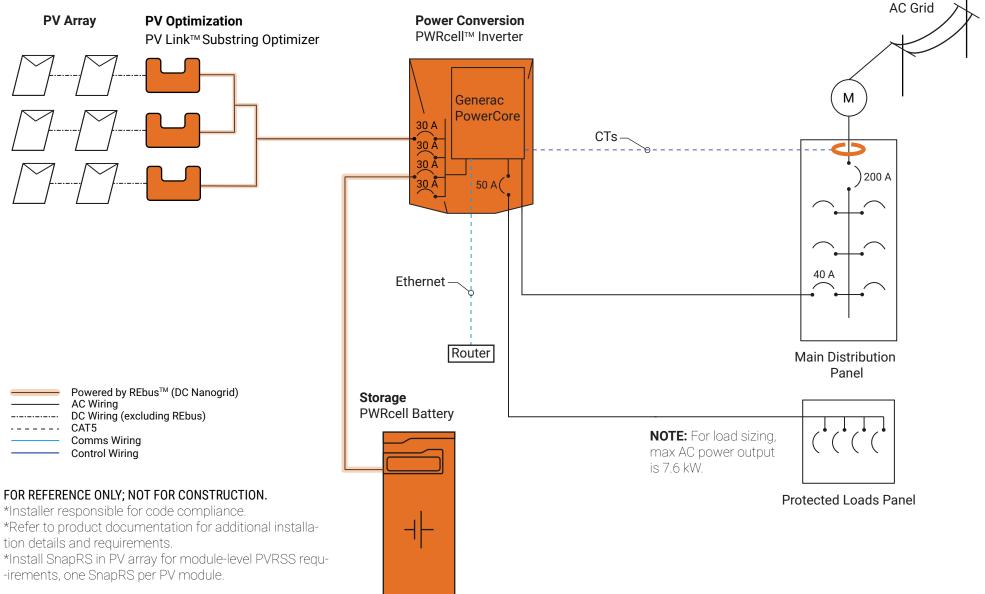
This design shows a PWRcell system with a Protected Loads panel. Utilize this design where roof installation for PV is - 1 PWRcell Inverter not possible. There are DC inputs available for additional battery - 1 PWRcell Battery storage or to add PV in the future. This design is suitible for most residential 120 V / 240 V services.

Protected Loads / Battery Backup Only

- 1 CT Kit (included)



Page 02 of 23



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 - 1 PWRcell Inverter services. - 3 PV Links (max 6)

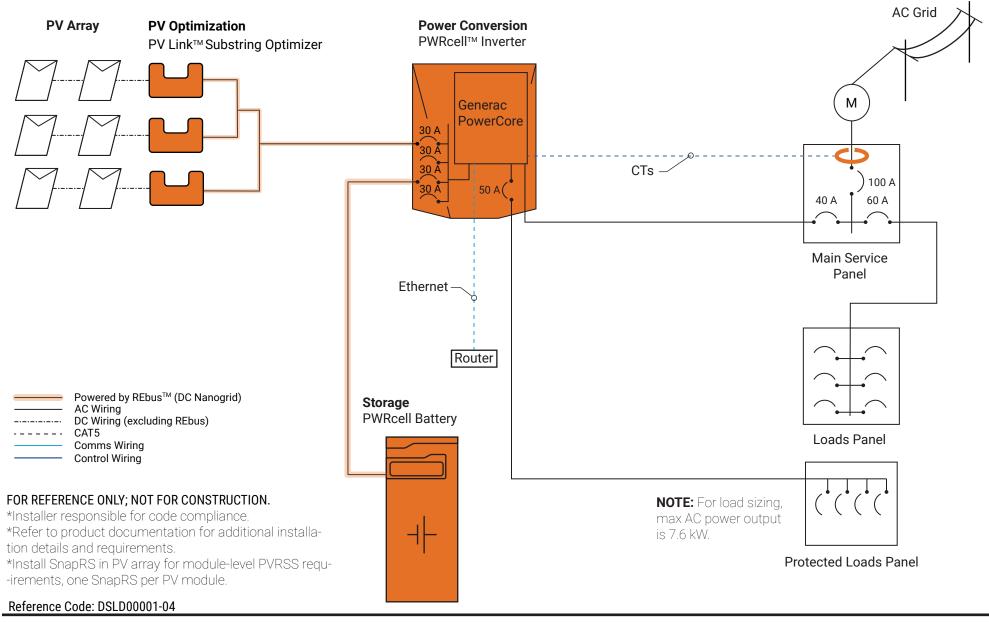
- Protected Loads / Solar + Storage

- 1 PWRcell Battery

- 1 CT Kit (included)



Page 03 of 23

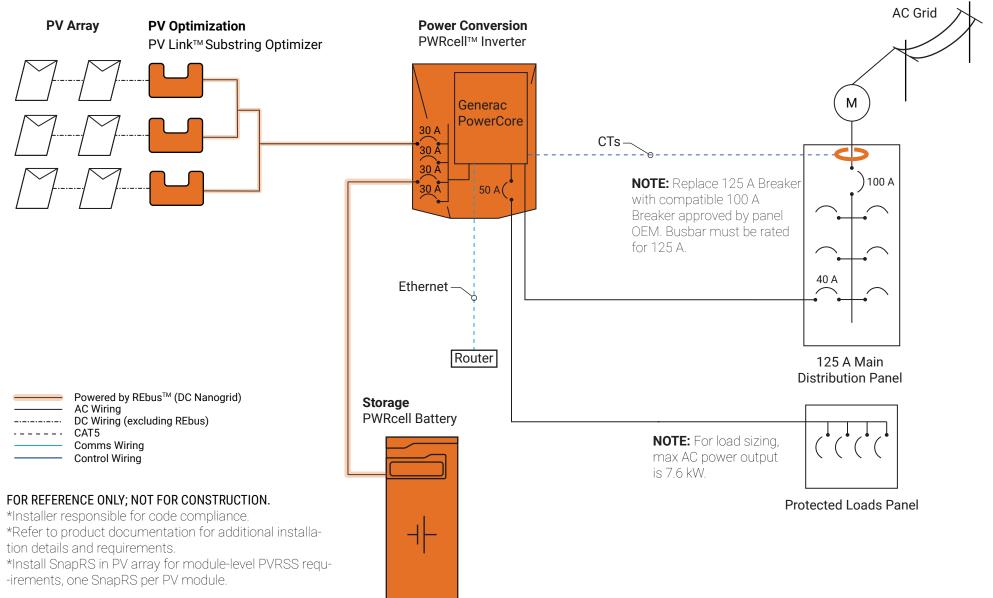


This design shows a PWRcell system with a Protected Loads panel. This design uses the sum rule method for the load - 1 PWRcell Inverter side connection of an optional standby system. This design is suitible for most residential 100 A 120 V / 240 V services.

- Protected Loads / 100 A Service Sum Rule
- 1 CT Kit (included)
- 3 PV Links (max 6)
- 1 PWRcell Battery



Page 04 of 23

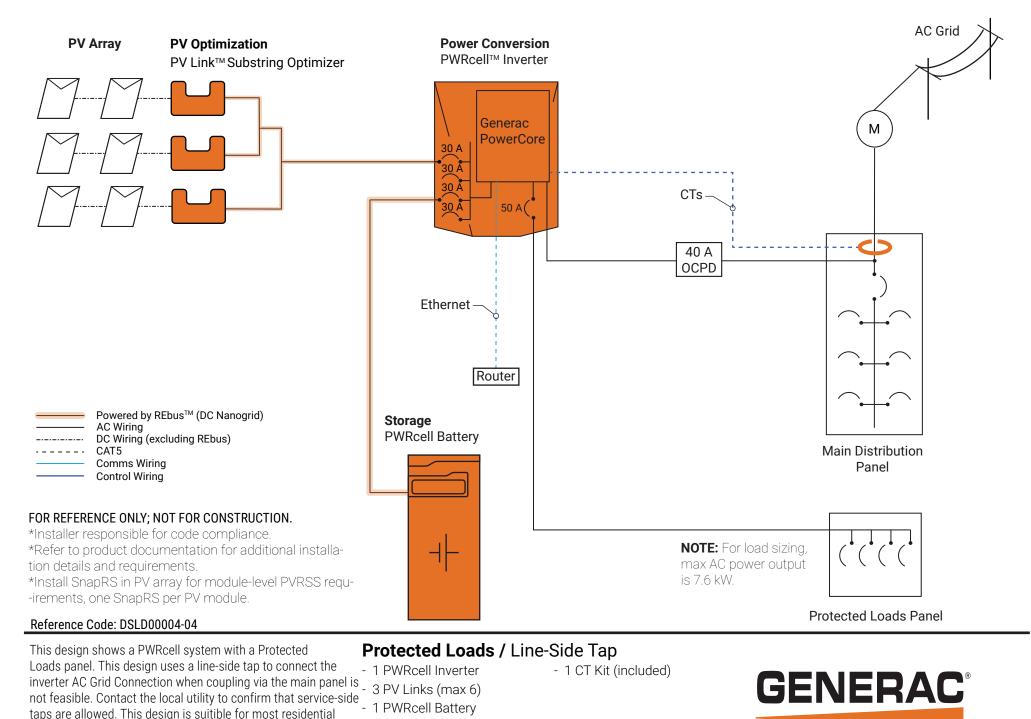


Reference Code: DSLD00023-03

This design shows a PWRcell system with a Protected Loads panel. Install a service-rated panel rated for 125 A. Use a 100 A - 1 PWRcell Inverter 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.

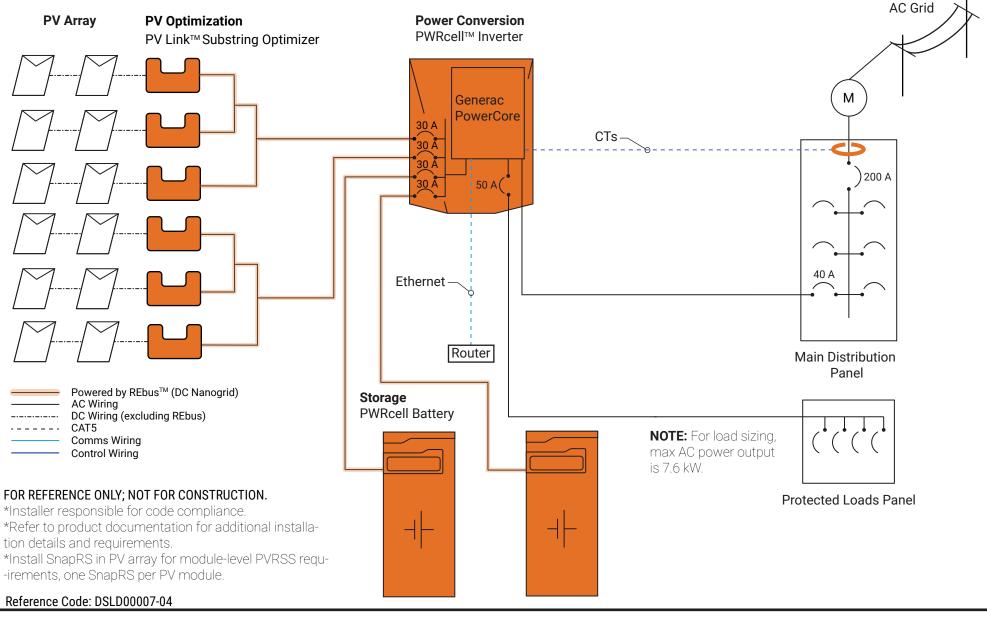
- Protected Loads / 100 A Service Panel Upgrade
- 1 CT Kit (included)
- 3 PV Links (max 6)
- 1 PWRcell Battery





Page 06 of 23

120 V / 240 V services.



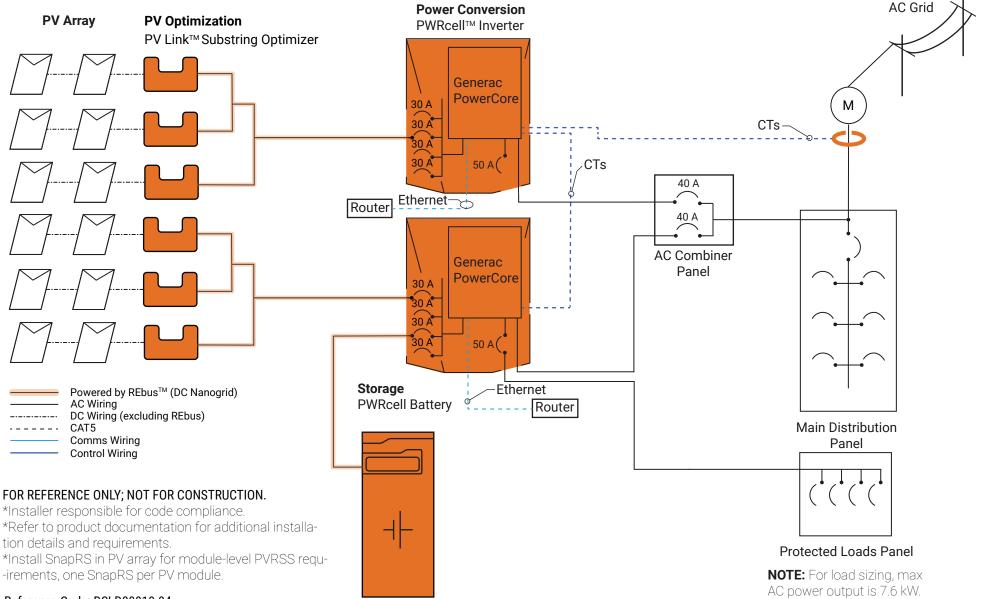
This design shows a Generac PWRcell system with a Protected Loads / Max. Capacity System Loads panel that is fully vutilizing the inverter DC input

- 1 PWRcell Inverter terminals for PV and energy storage. This design is suitible for
- 1 CT Kit (included)

- 6 PV Links
- 2 PWRcell Batteries



most residential 120 V / 240 V services.



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 - 6 PV Links (max. 6/Inv) 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

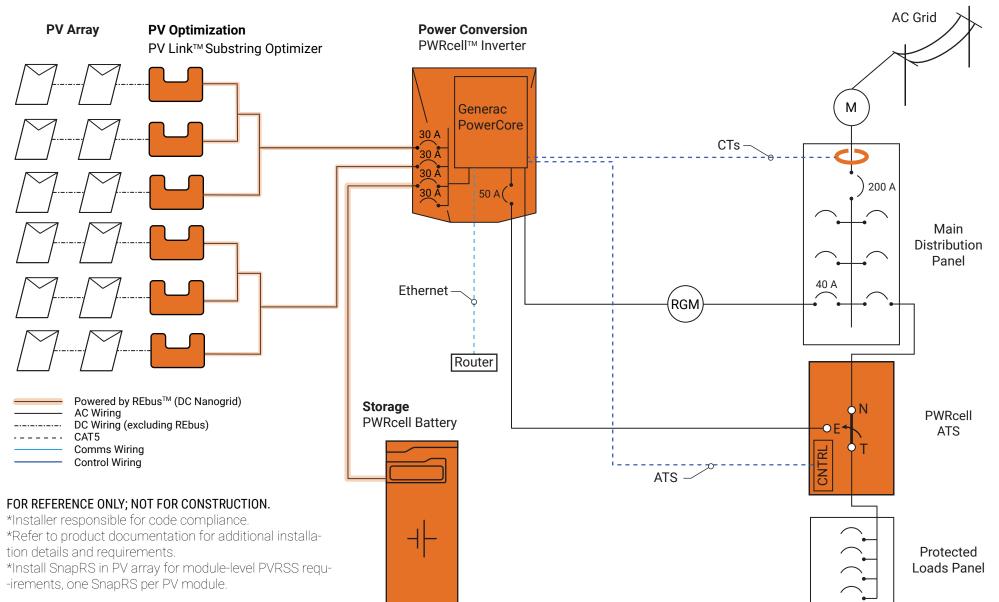
- 1 PWRcell Battery

- 2 CT Kits (included)



Page 08 of 23

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



Reference Code: DSLD00009-04

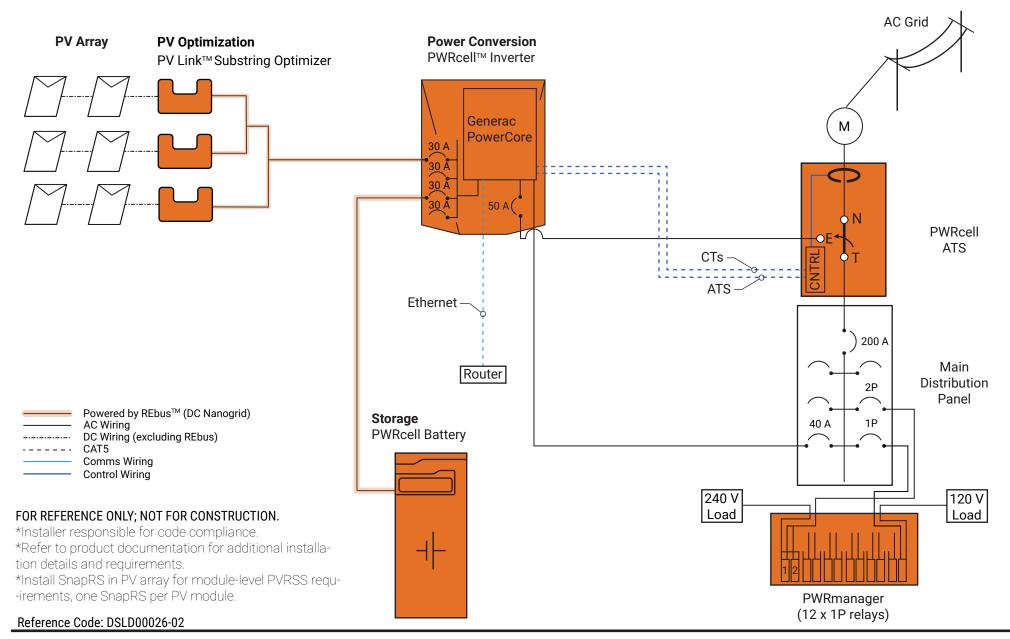
This design shows a PWRcell system with a revenue grade meter (RGM) connected for participation in a solar incentive program. Use this system configuration to maximize solar incentive credit and provide backup power to a protected loads panel. This design is suitable for most residential 120 V / 240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

Protected Loads / Revenue Grade Meter

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



Page 09 of 23



This design shows a Generac PWRcell system with a PWRcell Whole Home Backup / PWRmanager ATS for whole home backup. Use this system design to provide - 1 CT Kit (incl.)

Page 10 of 23

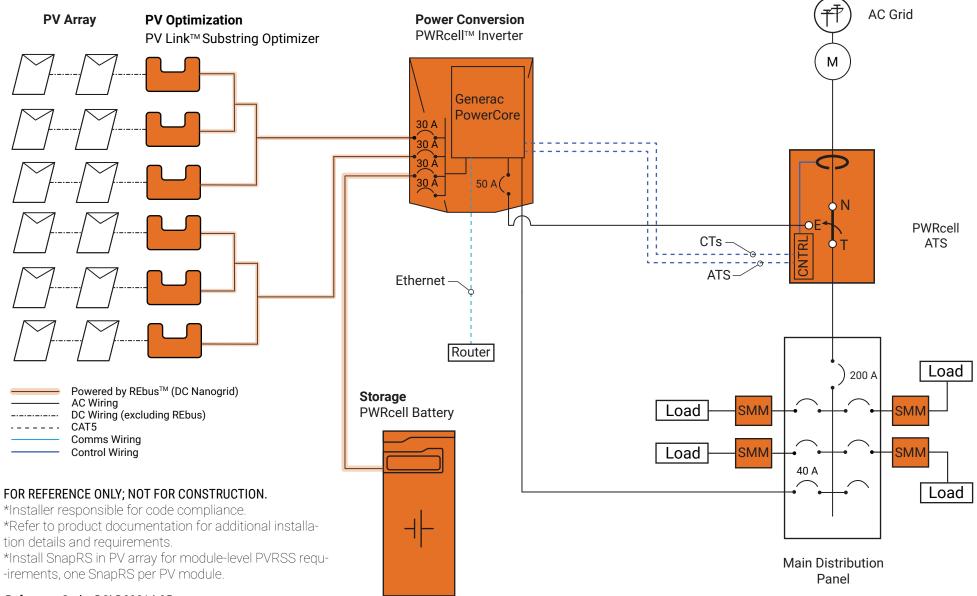
- 1 PWRcell Inverter backup power to home loads. Use a Generac PWRmanager for
 - 3 PV Links
 - 1 PWRcell Battery
- 1 PWRcell ATS
- 1 PWRmanager



load management of up to twelve 120 V loads or six 240 V

services.

loads. This design is suitable for most residential 120 V / 240 V



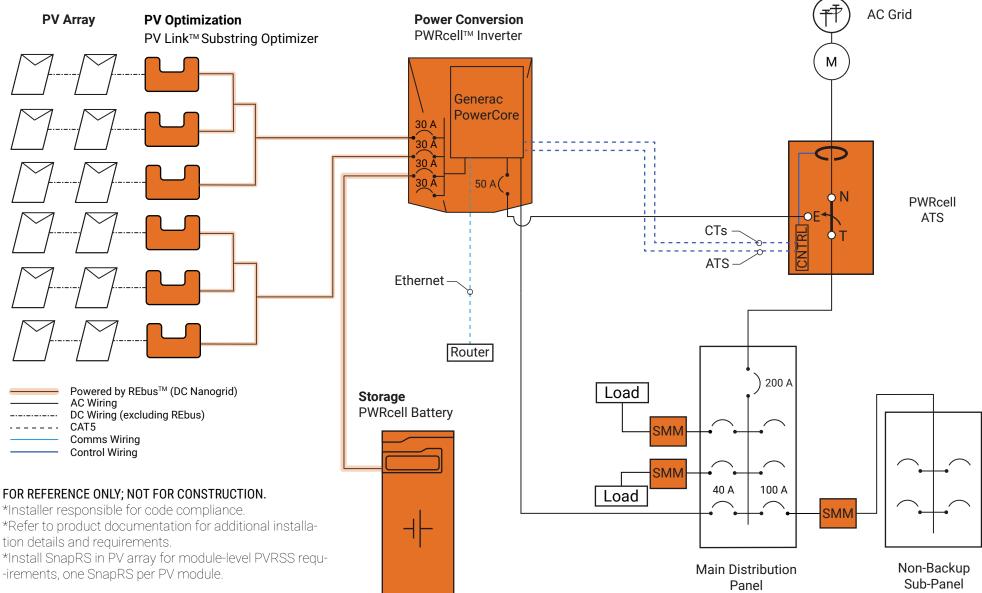
Reference Code: DSLD00014-05

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. Use this system design to provide - 1 PWRcell Inverter 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

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





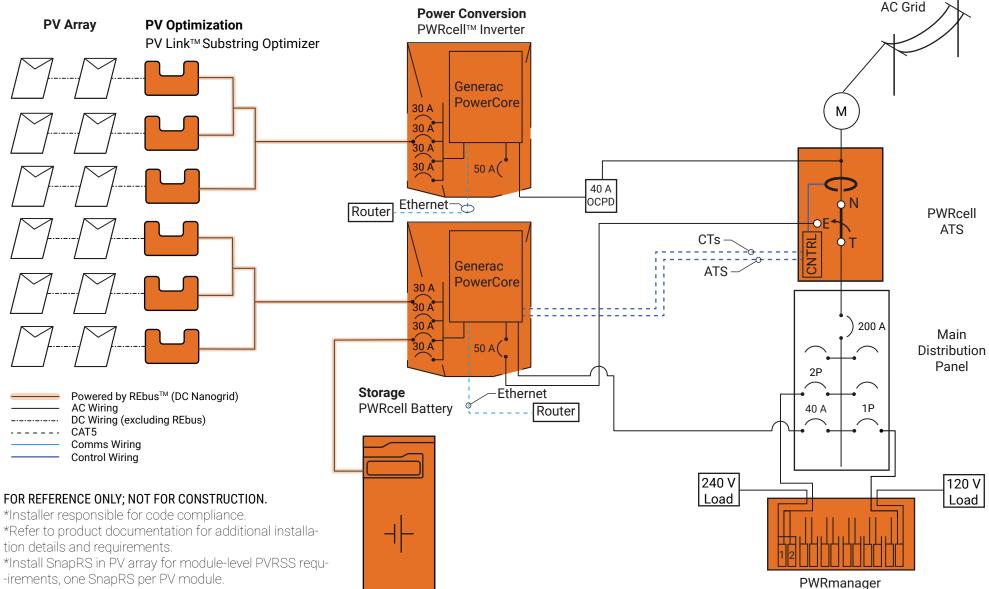
Reference Code: DSLD00015-04

This design shows a Generac PWRcell system with a PWRcell ATS for whole home backup. Use this design to provide backup - 1 PWRcell Inverter power to the home loads. Generac Smart Management Modules - 6 PV Links (SMMs) are used for load management. This design uses a 100 A SMM to lockout an entire subpanel during an outage. This ⁻ 1 PWRcell Battery design suitible for most residential 120 V / 240 V services.

Whole Home Backup / SMMs 2

- 1 CT Kit (incl.) - 1 PWRcell ATS
- 3 Generac SMMs (max 8)





(12 x 1P relays)



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

Page 13 of 23

This design shows a multi-system Generac PWRcell solution.

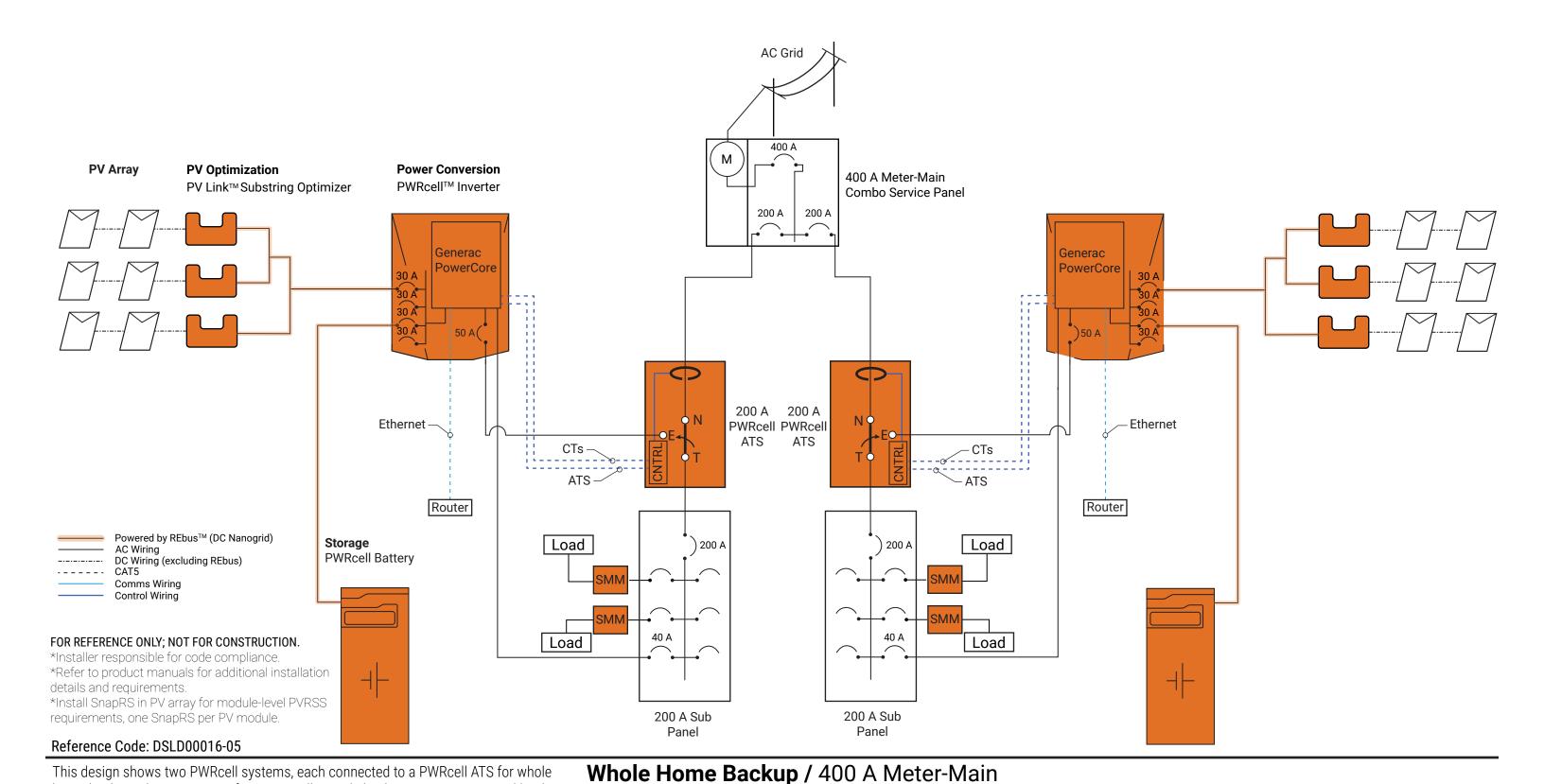
One inverter has PV only while the other has PV and energy

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.

Reference Code: DSLD00027-01



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

residential 400 A 120 V / 240 V services.

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

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Page 14 of 23

- 2 CT Kit (incl.)

- 4 SMMs

- 2 200 A PWRcell ATS

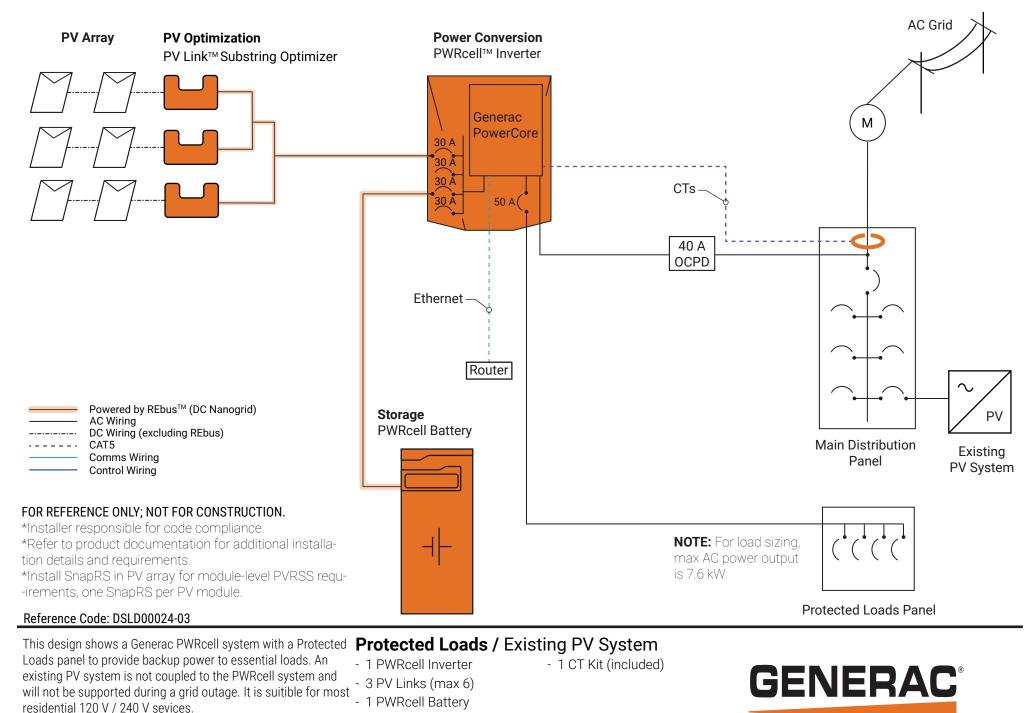
- 2 PWRcell Inverter

- 2 PWRcell Batterv

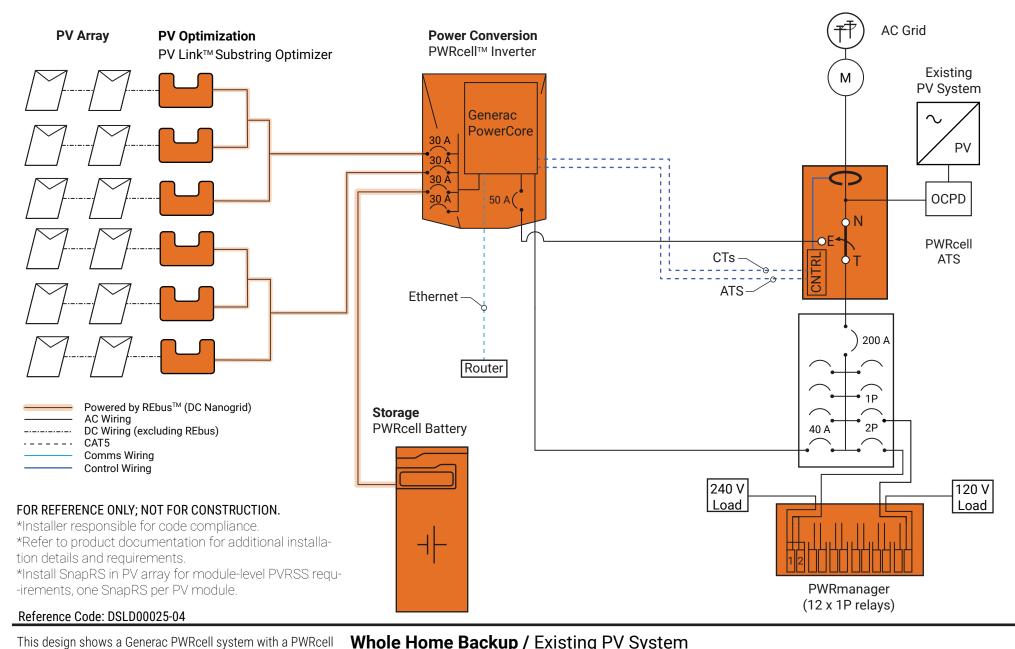
- 6 PV Links (max. 6/Inv)

GENERAC

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Page 15 of 23



This design shows a Generac PWRcell system with a PWRcellWhole Home Backup / Existing PV SystemATS for whole home backup. An existing PV system is not- 1 PWRcell Inverter- 1 CT Kit (incl.)

Page 16 of 23

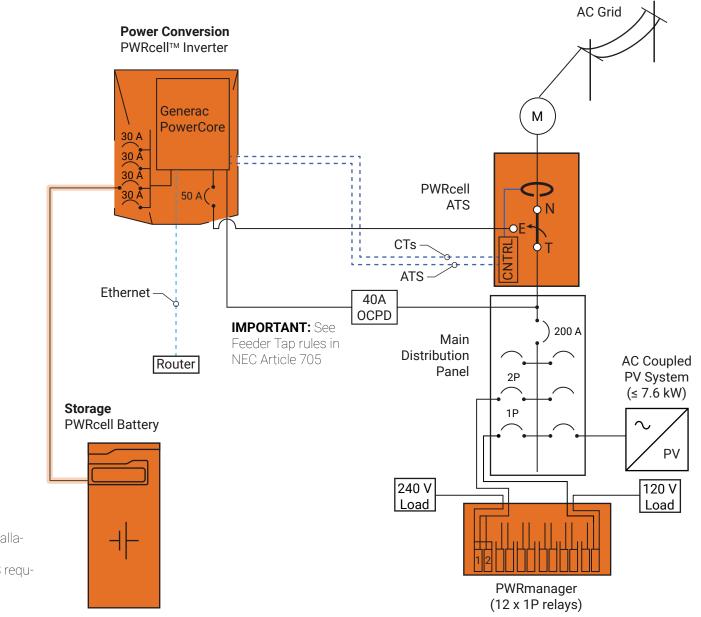
- coupled to the PWRcell system and will not be supported during 6 PV Links
 - 1 PWRcell Battery
- 1 PWRcell ATS
- 1 PWRmanager



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.



Powered by REbus[™] (DC Nanogrid) AC Wiring DC Wiring (excluding REbus) CAT5 **Comms Wiring Control Wiring**

FOR REFERENCE ONLY; NOT FOR CONSTRUCTION.

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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 - 1 PWRcell Battery 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.

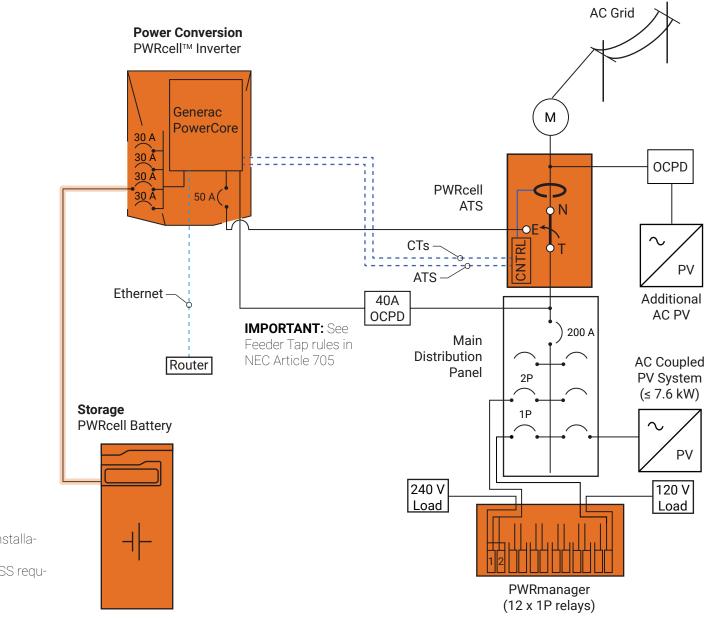
AC-Coupled PV / Feeder Tap

- 1 PWRcell Inverter
- 1 PWRcell ATS

- 1 CT Kit (incl.)



- 1 PWRmanager



 Powered by REbus™ (DC Nanogrid)

 AC Wiring

 DC Wiring (excluding REbus)

 CAT5

 Comms Wiring

 Control Wiring

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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 requ--irements, 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.

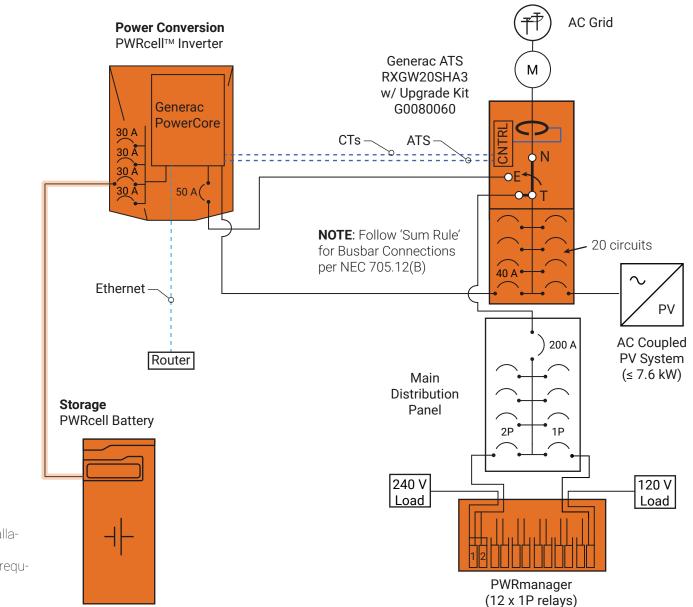
AC-Coupled PV / Feeder Tap w/Additional AC PV

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



Page 18 of 23

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



Powered by REbus[™] (DC Nanogrid) AC Wiring DC Wiring (excluding REbus) CAT5 **Comms Wiring Control Wiring**

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 requ--irements, 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 - 1 PWRcell Battery also provides backup power to house loads during an outage using PWRmanager for load management. The inverter and ACcoupled PV system interconnect in the ATS's integrated panelboard. It is suitable for most residential 120 V / 240 V services.

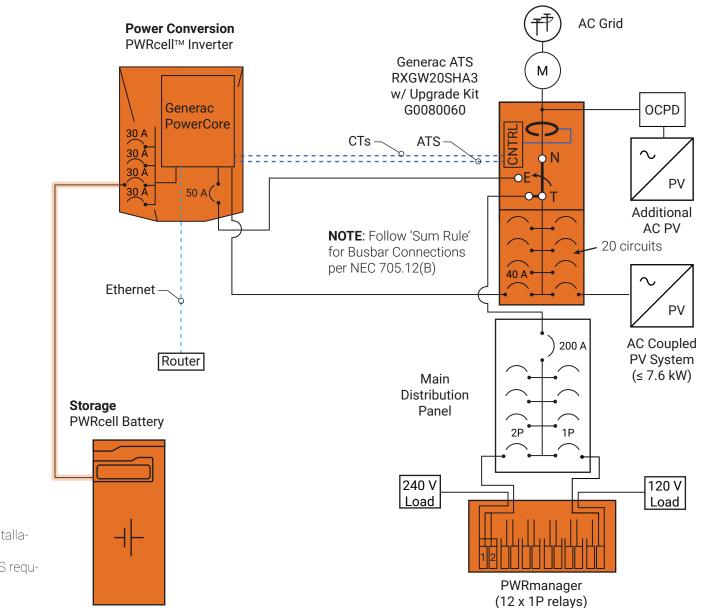
AC-Coupled PV / ATS Panelboard

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



Page 19 of 23

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



Powered by REbus[™] (DC Nanogrid) AC Wiring DC Wiring (excluding REbus) CAT5 **Comms Wiring Control Wiring**

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Reference Code: DSLD00030-01

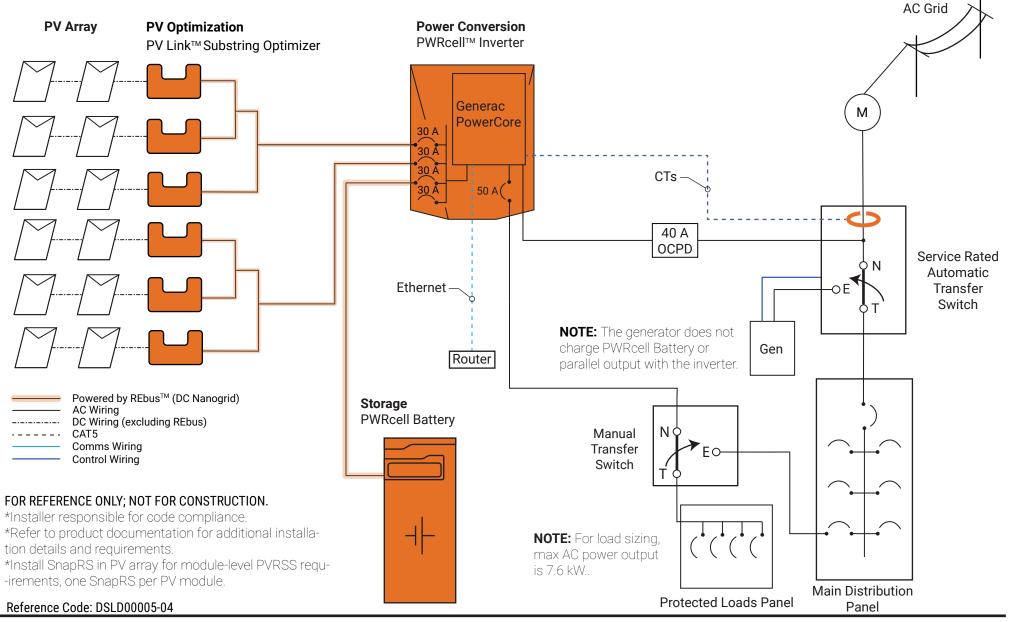
This design shows a Generac PWRcell system with a Generac ATS in a whole home backup configuration utilizing AC-coupled PV to charge the PWRcell Battery during an outage. This design - 1 PWRcell Battery also provides backup power to house loads during an outage using PWRmanager for load management. The inverter and ACcoupled 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

Page 20 of 23

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





Protected Loads / Existing Generator

- non-Generac generator. This design isolates the generator from 1 PWRcell Inverter
- 1 CT Kit (included)
- 6 PV Links
- 1 PWRcell Battery



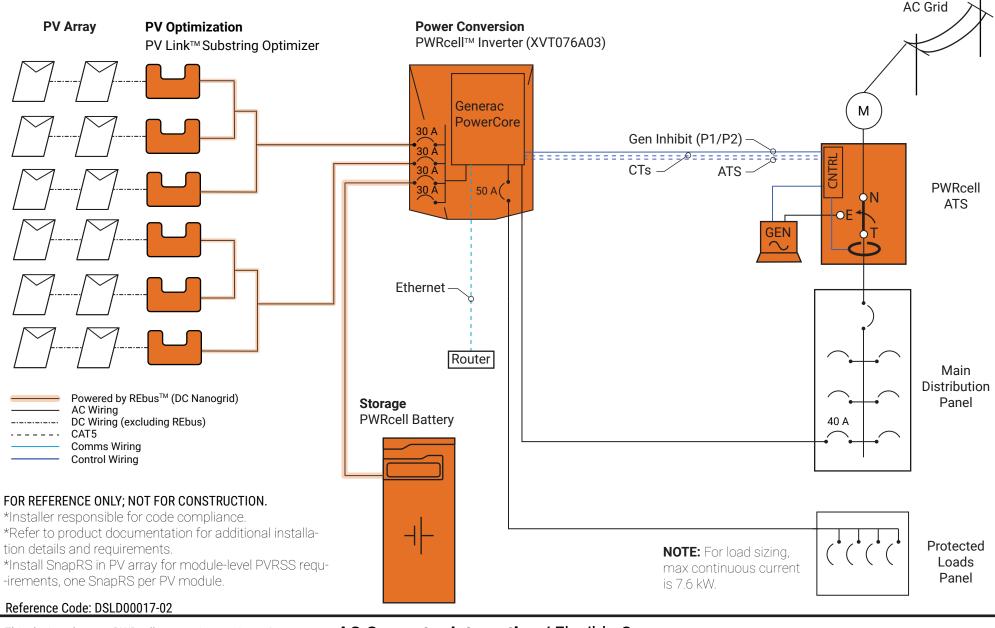
This design shows a PWRcell system configured with a

the inverter and involves a line-side tap and two transfer

most residential 120 V / 240 V services.

switches. The inverter output supports a loads panel that can

also be transferred to the generator. This design is suitible for



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".

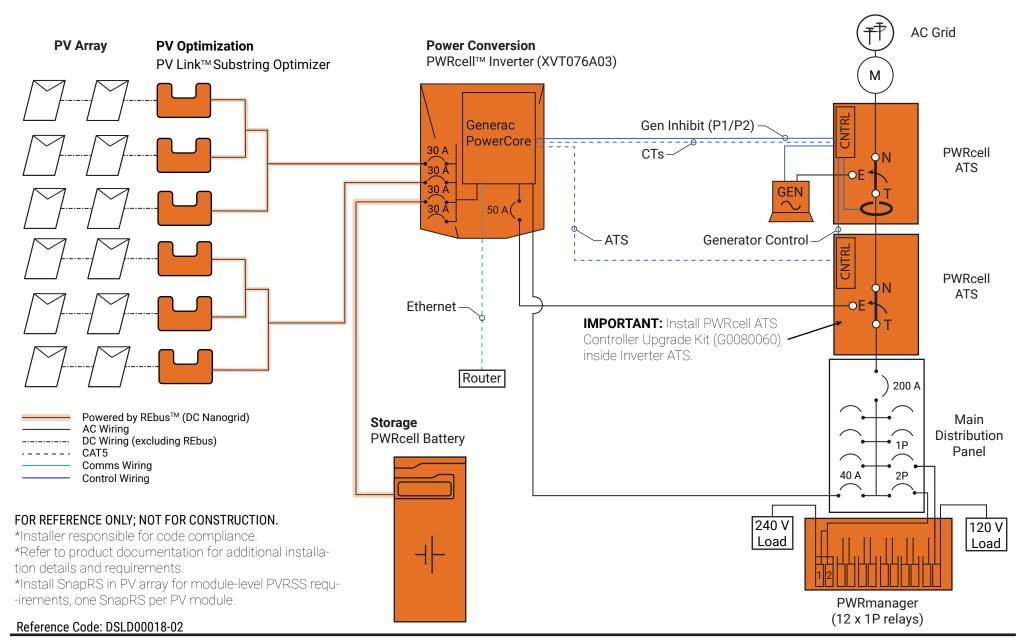
AC Generator Integration / Flexible Coverage

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



Page 22 of 23

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



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) - 1 CT Kit (incl.)

Page 23 of 23

- 6 PV Links
- 1 PWRcell Battery
- 1 Generac AC Generator
- 2 PWRcell ATS
- 1 PWRmanager 1 G0080060 Upgrade Kit



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