

PWRcell 2

HOME ENERGY STORAGE SYSTEM

The PWRcell 2 Home Energy Storage System is designed to maximize energy savings and bring homeowners peace of mind with clean, reliable backup power. Pair PWRcell 2 with the Generac PWRmicro Solar Microinverter for an end-to-end home energy management system from a company you can rely on.

Every PWRcell 2 system also includes an ecobee Smart Thermostat Enhanced, enabling customers to harness the intelligence of the ecosystem.



Powerful

- Power the whole home for longer with up to 36 kWh of storage capacity
- Up to 11.5 kW^{1,2} max continuous power to start almost any load
- AC-coupled architecture enables parallel backup with solar and battery for up to 26.5 kW of backup power



Resilient

- Provides up to 33% more backup capability compared to the industry leader
- Virtually endless³ outage protection when paired with a Generac generator⁴ up to 28 kW
- Seamless backup transition protects sensitive electronics



Smart

- PWRmanager enables smart control of home loads to extend battery backup
- Works with select ecobee Smart Thermostats for convenient system and outage monitoring and optimized energy consumption designed to keep the home powered longer
- Homeowners can monitor real-time data from anywhere with their smartphone or tablet



reddot winner 2025

¹System power will be limited by battery max continuous power. 11.5 kW can be achieved with two PWRcell 2 Battery Cabinets, with at least 7 battery modules (M4 + M3).

²De-rating may occur at temperatures above 104 °F (40 °C) and below 32 °F (0 °C).

³Subject to fuel availability.

⁴Compatible with Generac Single Phase, Air-cooled, Generators 9-28 kW with an Evolution II or Power Zone 200 controller. Excludes portable generators.



PWRcell 2 System Specifications



PWRcell 2 Battery Cabinet

Can be configured for 9 to 18 kWh of storage capacity using 3 kWh battery modules. Pair two cabinets with a single inverter for up to 36 kWh of capacity.



PWRcell 2 Inverter

11.5 kW^{1,4} max continuous power and 130 LRA^{3,4}.



Smart Disconnect Switch (SDS)

Whole and partial home backup supported up to 200 A. Uninterrupted transition during an outage. Integrated power control systems (PCS). Works with select Generac standby generators and ecobee smart thermostats.

PERFORMANCE					
Battery Configuration	M3	M4	M5	M6	M6 x2
Usable Energy ⁵	9 kWh	12 kWh	15 kWh	18 kWh	36 kWh
Maximum Continuous Power ^{1,4}	5.2 kW	7 kW	8.7 kW	10.5 kW	11.5 kW
Maximum AC Start Capacity ^{3,4}	65 A	87 A	108 A	130 A	130 A
Maximum Backup PV Size (AC)	7.5 kW	10 kW	12.5 kW	15 kW	15 kW
Roundtrip Efficiency	88%				
Warranty	Battery Modules: 10 years or 7.56 MWh Inverter, Cabinet, SDS: 10 years				
Compatible Solar Inverters	Generac PWRmicro and Enphase IQ8				
Maximum Backup Service	200 A				
Maximum Generac Generator Size ²	28 kW				
Connectivity	Wi-Fi, LTE, CAN, Ethernet				

ENVIRONMENTAL	
Operating Temperature Range - Charging	23 to 122 °F (-5 to 50 °C)
Operating Temperature Range - Discharging ⁶	-4 to 122 °F (-20 to 50 °C)
Maximum Elevation	6,560 ft. (2000 m)
Environment	NEMA 3R (all enclosures)

MECHANICAL			
	CABINET	INVERTER	SDS
Dimensions - (L x W x H)	23" x 10 3/4" x 70"	22 13/16" x 8 3/32" x 24 3/32"	17 29/32" x 7 3/32" x 36 1/2"
Lift Weight	62.6 lb.	52.4 lb.	35 lb.
Total Weight	113 lb.	62.1 lb.	54 lb.

COMPLIANCE	
Compliance	UL 9540, UL 9540A, UL 1973, UL 1998, UL 1741, UL 1741 SA11, UL 1741 SB, UL 1741 PCS CRD (UL 3141), IEEE 1547, IEEE 1547a, IEEE 1547.1, CA Rule 21, Rule 14H (HECO SRD V2.0), ISO-NE, PRC-024, Regulation No. 8915 (PREPA), CSIP

¹System power will be limited by battery max continuous power. 11.5 kW can be achieved with two PWRcell 2 Battery Cabinets, with at least 7 battery modules (M4 + M3).

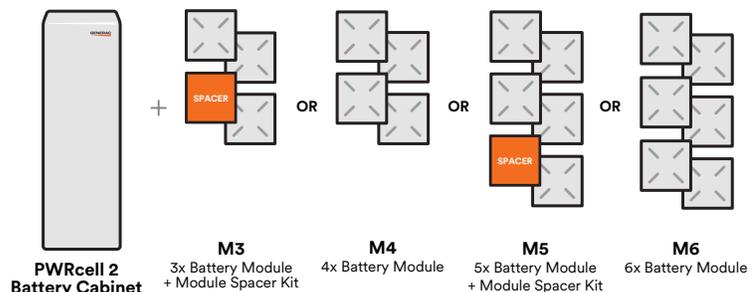
²Compatible with Generac Single Phase, Air-cooled, Generators 10-28 kW with an Evolution or Power Zone 200 controller. Excludes portable generators.

³Figures based on 2 kW of power consumption prior to A/C start with 12-100% SOC at an ambient temperature below 95 °F (35 °C).

⁴De-rating may occur at temperatures above 104 °F (40 °C) and below 32 °F (0 °C).

⁵At beginning of life at 77 °F (25 °C). See product warranty document for more information.

⁶Operating the battery outside the discharging operating temperature range may void the warranty.



Smart Disconnect Switch (SDS)

MODEL NUMBER: APKE00067

The Smart Disconnect Switch is a versatile and powerful addition to the PWRcell 2 system that aggregates all power generation sources into one hub - supporting AC-coupled PV, battery backup and generator integration. The SDS also has integrated power control systems (PCS), reducing the need for main service panel upgrades.



Features & Benefits

- Integrates with ecobee Smart Thermostat Enhanced and Premium models, enhancing energy management capabilities
- Seamlessly connects Generac home standby generators¹ up to 28 kW for exceptional resiliency
- Wi-Fi, LTE connectivity
- Supports both partial and whole home backup
- Suitable for service and non-service entrance

Specifications

PERFORMANCE	
AC Voltage (Nominal)	120/240 V
Grid Type	Single Phase
Grid Frequency	60 Hz
Current Rating	200 A
Maximum Input Short Circuit Current	22 kA
Automatic Transfer Time	< 50 ms
Overcurrent Protection Device	Main breaker (EATON 2-pole series only): CSR2100N (100A), CSR2125N (125A), CSR2150N (150A), CSR2200N (200A)
Overvoltage Category	IV
Primary Connectivity	Wi-Fi, Ethernet
Secondary Connectivity	Cellular (LTE CAT-M1)
System Control Method	CAN
Warranty	10 years
MECHANICAL	
Dimensions (L x W x H)	17 ²⁹ / ₃₂ in x 7 ³ / ₃₂ in x 36 ¹ / ₂ in (45.46 cm x 18.03 cm x 92.71 cm)
Weight	54 lbs (24.49 kg)
Mounting Options	Wall

ENVIRONMENTAL	
Operating Temperature	-22 to 122 °F (-30 to 50 °C)
Operating Humidity	Up to 100% condensing
Maximum Elevation	6562 ft (2000 m)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R
COMPLIANCE	
Certifications	UL 1741, UL 1741 SA11, UL 1741 SB, UL 869A, UL 67, UL 1741 PCS CRD (UL 3141), IEEE 1547, IEEE 1547a, IEEE 1547.1, IEEE 2030.5, CSIP, CA Rule 21, Rule 14H (HECO SRD V2.0), ISO-NE, PRC-024, Regulation No. 8915 (PREPA)
Emissions	FCC Part 15 Class B
INTERCONNECTION	
Maximum Back Up Load Panel	200 A
Maximum Non-Back Up Load Panel	100 A
Generac Generator ¹	Up to 28 kW
Maximum AC PV Breaker Size	60 A
ESS	60 A

¹Compatible with Generac Single Phase, Air-cooled, Generators 10-28 kW with an Evolution or Power Zone 200 controller. Excludes portable generators.

PWRcell 2 Battery Cabinet

MODEL NUMBERS

Battery Enclosure Only: APKE00076

3.0 kWh PWRcell 2 DCB Battery Module: G0080041

The PWRcell 2 Battery Cabinet can be configured for 9 to 18 kWh of storage capacity using 3 kWh battery modules.

Suitable for indoor and outdoor wall mount¹ with NEMA 3R rating.



Specifications

BATTERY CONFIGURATIONS	M3	M4	M5	M6	M6 x2
PERFORMANCE					
Usable Battery Energy ¹	9 kWh	12 kWh	15 kWh	18 kWh	36 kWh
Maximum Continuous Power ^{2,3}	5.2 kW	7 kW	8.7 kW	10.5 kW	11.5 kW
ELECTRICAL					
Voltage Range (Input/Output)	360 - 420 VDC				
Maximum Continuous Current	14.58 A	19.44 A	24.30 A	29.16 A	34 A
ENVIRONMENTAL					
Operating Temperature Range - Charging	23 to 122 °F (-5 to 50 °C)				
Operating Temperature Range - Discharging	-4 to 122 °F (-20 to 50 °C)				
Maximum Elevation	6560 ft (2000 m)				
Enclosure Rating	NEMA 3R				
MECHANICAL					
Dimensions (DxWxH)	10 ¾ in x 23 in x 70 in (27.1 cm x 58.2 cm x 177.7 cm)				
Total Weight of Cabinet	113 lb (51.3 kg)				
Total Weight of Installed Unit	278 lbs (126.1 kg)	333 lbs (151 kg)	388 lbs (176 kg)	443 lbs (200.9 kg)	443 lbs (200.9 kg) x2
Maximum Lift Weight of Cabinet	62.6 lbs (28.4 kg)				
Mounting	Wall, with optional floor support				
COMPLIANCE					
Safety	UL 9540 ⁴ , UL 9540A, UL 1973, UL 1998				
Environmental	FCC Part 15 Class B				
Evaluated Functions/Protection	Battery overcharge, battery over discharge, battery short-circuit, system overcurrent, battery temperature, cabinet switch (disconnect)				

¹At beginning of life at 77 °F (25 °C). See product warranty document for more information.

²De-rating may occur at temperatures above 104 °F (40 °C) and below 32 °F (0 °C).

³System power will be limited by battery max continuous power. 11.5 kW can be achieved with two PWRcell 2 Battery Cabinets, with at least 7 battery modules (M4 + M3).

⁴Suitable for use in residential non-habitable spaces.

3.0 kWh DCB Battery Module

MODEL NUMBER: G0080041

Build a modular backup system using the Generac DCB Battery Module for PWRcell 2. Stack 3-6 modules in a single battery cabinet for 9 to 18 kWh of storage capacity.



Features & Benefits

- Suitable for indoor and outdoor installations
- Add modules over time as customer needs evolve
- Lightweight and easy to install at 55 lbs

Specifications

ELECTRICAL	
Nominal Voltage	46.8 VDC
Usable Capacity at Typical Voltage ¹	3 kWh
Maximum Continuous Power ²	1.75 kW
Minimum Allowed Modules per Cabinet	3
Maximum Allowed Modules per Cabinet	6
ENVIRONMENTAL	
Optimal Storage Temperature Range ³	-4 to 77 °F (-20 to 25 °C)
Maximum Storage Temperature (<1 mo)	122 °F (50 °C)
MECHANICAL	
Dimensions (LxWxH)	17 5/16 in x 17 45/64 in x 3 5/16 in (440 mm x 450 mm x 84 mm)
Weight	55 lb (25 kg)
Battery Chemistry	Lithium Nickel Manganese Cobalt (NMC)
COMPLIANCE	
Safety	UL 1973
WARRANTY	
Battery Module Warranty	10 years or 7.56 MWh throughput

¹At beginning of life at 77 °F (25 °C). See product warranty document for more information.

²When installed in compatible Generac product.

³Maintenance voltage check recommended every 6 months.

PWRcell 2 Inverter

MODEL NUMBER: APKE00075

The PWRcell 2 Inverter is a powerful battery inverter designed for the PWRcell 2 Home Energy Storage System and features up to 11.5 kW¹ max continuous power.



Specifications

AC OUTPUT	
Maximum AC Power Output	11.5 kW ¹
Maximum Continuous AC Current	48 A
OCPD Rating	60 A
Nominal Grid Voltage	120 V / 240 V, 1Ø
Operating AC Voltage Range	105 - 132 VAC (120 V nominal)
Power Factor Range	-1 to 1
Maximum AC Fault Current	50 A ²

DC INPUT	
Nominal Input Voltage	400 VDC
DC Input Voltage Range	360 to 420 VDC
Maximum DC Input Current	34 A

PERFORMANCE	
Operating Frequency	60 Hz
CEC Weighted Efficiency	98.5%
Warranty	10 years

MECHANICAL	
Dimensions	22 13/16 in x 8 3/32 in x 24 3/32 in (57.91 cm x 20.57 cm x 61.21 cm)
Weight	62.1 lbs (28.16 kg)
Mounting Options	Wall

ENVIRONMENTAL	
Operating Temperature	-22 to 122 °F (-30 to 50 °C)
Operating Humidity	Up to 100% condensing
Maximum Elevation	6562 ft (2000 m)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R

COMPLIANCE	
Certifications	UL 1741, UL 1741 SA11, UL 1741 SB, UL 1998, IEEE 1547, IEEE 1547a, IEEE 1547.1, CA Rule 21, Rule 14H (HECO SRD V2.0), ISO-NE, PRC-024, Regulation No. 8915 (PREPA), CSIP
Emissions	FCC Part 15 Class B

¹System power will be limited by battery max continuous power. 11.5 kW can be achieved with two PWRcell 2 Battery Cabinets, with at least 7 battery modules (M4 + M3).

²RMS at 3 seconds.

PWRmanager

MODEL NUMBER: G0080090-PC2

Add unbeatable flexibility and value to the PWRcell 2 System by enabling whole home backup controlled via the user-friendly PWRview app. The PWRmanager enables data-driven control of home loads to extend battery backup. This easy-to-install load management device integrates seamlessly with PWRcell 2, dramatically improving system performance.



Features & Benefits

- Control up to six 240 VAC circuits (or twelve 120 VAC circuits) and two low-voltage HVAC control circuits
- Automatically disconnect and reconnect loads based on priority to extend battery backup during outages
- Manually turn controlled loads ON and OFF with the PWRview app
- Easy installation - No need to move circuits or install subpanels
- Suitable for use as an Energy Management System to meet NEC 702.4 sizing requirements for Optional Standby Systems

Specifications

PERFORMANCE	
Controllable Circuits	Up to six 240 VAC circuits (twelve 120 VAC circuits) Up to two 24 VAC HVAC control circuits
Current Rating	60 A per relay
Connectivity	Wi-Fi
Wire Gauge	#14 to #6 AWG
Warranty	10 years
MECHANICAL	
Dimensions, L x W x H	17.7 in x 12.2 in x 5.5 in (449.58 mm x 309.88 mm x 139.7 mm)
Weight - lb (kg)	13.23 lbs (5.2 kg)
Compliance	UL 916, FCC Part 15 Class B, IC, Surge IEC 61000-4-5
Enclosure	NEMA 3R
Operating Temperature	-40 to 122 °F (-40 to 50 °C)



Questions?

Clean Energy Inside Sales Team

855-635-5186, Option 1 | pwrcell.sales@generac.com

Clean Energy Installer Resources

<https://www.generac.com/ceinstaller>

GENERAC[®]

Generac Power Systems, Inc.
S45 W29290 Hwy. 59, Waukesha, WI 53189

www.Generac.com | 888-GENERAC (436-3722)

A0008625505 | REV C 01/2026

©2026 Generac Power Systems. All rights reserved.
Specifications are subject to change without notice.