

GENERAC®

PWRCELL

BATTERY CABINET

PWRcell Battery Cabinet

Model #: APKE00028 (includes foot mounting brackets)

Model #: APKE00042 (Battery enclosure only)

3.0kWh PWRcell DCB Battery Module

Model #: G0080040 (BJ-DCB05ZKBG)

The PWRcell™ Battery Cabinet is a Type 3R smart battery enclosure that allows for a range of storage configurations to suit any need. DC-couple to Generac PWRzone solar or PWRgenerator. No other smart battery offers the power and flexibility of PWRcell.



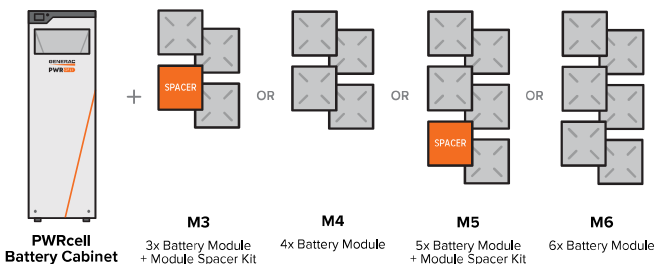
PWRcell BATTERY CABINET DESIGN

The PWRcell Battery Cabinet allows system owners the flexibility to scale from an economical 9kWh to a massive 18kWh by installing additional battery modules to the PWRcell Battery Cabinet. An existing PWRcell Battery Cabinet can be upgraded with additional modules. Use the graphic below and the chart on the back of this sheet to understand what components you need for your chosen PWRcell configuration.

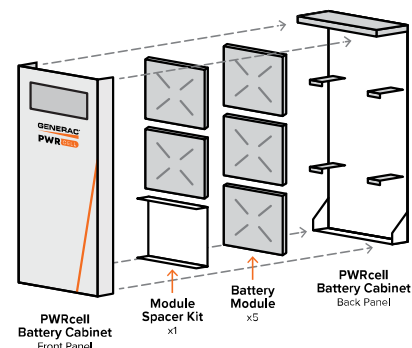
FEATURES & BENEFITS

- Best-in-class battery backup power
- Connect 2 PWRcell Battery Cabinets to a single PWRcell Inverter for up to 36kWh of usable storage
- Plug-and-play with all PWRcell products
- Time-of-use (TOU) and zero-export ready
- NEMA 3R cabinet for outdoor and indoor installations
- Floor standing or wall-mounted design

BATTERY CONFIGURATION GUIDE



BATTERY CABINET ASSEMBLY



Specifications

PWRcell™ BATTERY CONFIGURATIONS	M3	M4	M5	M6
BATTERY MODULES:	3	4	5	6
USABLE ENERGY ¹ :	9 kWh	12 kWh	15 kWh	18 kWh
NOMINAL CONT. AC POWER ^{1,2} :	3.4 kW	4.5 kW	5.6 kW	6.7 kW
MAX. AC POWER ^{1,3} :	4.5 kW	6 kW	7.5 kW	9 kW
NOMINAL CONT. REBUS DC CURRENT (CHARGE/DISCHARGE) - A:	11.6	15.5	19.4	23.3
PEAK MOTOR STARTING CURRENT (2 SEC) - A, RMS:	25	33	42	50
COMPATIBLE BATTERY MODULES ⁴ :	Generac PWRcell DCB 3.0 kWh			
REbus™ VOLTAGE - INPUT/OUTPUT:	360-420 VDC			
NOMINAL VOLTAGE:	380 VDC			
DC-DC ROUND-TRIP EFFICIENCY:	96.5%			
FULL PERFORMANCE TEMPERATURE RANGE (CHARGING) ⁵ :	59 to 104 °F (15 to 40 °C)			
FULL PERFORMANCE TEMPERATURE RANGE (DISCHARGING) ⁵ :	32 to 104 °F (0 to 40 °C)			
MAXIMUM OPERATING TEMPERATURE RANGE (CHARGING) ⁵ :	41 to 122 °F (5 to 50 °C)			
MAXIMUM OPERATING TEMPERATURE RANGE (DISCHARGING) ⁵ :	14 to 122 °F (-10 to 50 °C)			
MAXIMUM INSTALLATION ALTITUDE - FT (M):	6560 (2000)			
DIMENSIONS, L x W x H - IN (MM):	22" x 10" x 68" (559 x 254 x 1727)			
WEIGHT, ENCLOSURE - LB (KG):	115 (52)			
WEIGHT, INSTALLED W/ DCB MODULES - LB (KG):	280 (127)	335 (152)	390 (177)	445 (202)
WEIGHT, ACCESSORY MOUNTING HARDWARE - LB (KG):	21 (10)			
ENCLOSURE TYPE:	Type 3R			
WARRANTY - LI-ION MODULES:	10 Years, (7.56MWh)			
WARRANTY - ELECTRONICS AND ENCLOSURE:	10 Years			
COMMUNICATION PROTOCOL:	REbus™ DC Nanogrid™			
SEISMIC RATING:	IEEE 693-2018 (HIGH)			
COMPLIANCE:	UL 9540, UL 9540A ⁶ , UL 1973, UL 1642, CSA 22.2 #107.1			

¹Assumes use of 3.0kWh battery module. ²Average AC power over a complete discharge cycle. ³Values provided for 40°C (104°F). ⁴All PWRcell battery models used in a PWRcell Battery Cabinet must be the same model. Do NOT combine module SKUs in a single battery cabinet. ⁵Reference the PWRcell Battery Installation and Owner's Manual for a detailed deration curve. ⁶4th ed. tested at unit-level when installed with DCB battery modules and OR enclosure. Note: Charge/discharge rate may be reduced at temperature extremes

Generac offers a Foot Bracket Accessory Kit (Model #APKE00043) for the PWRcell Battery Cabinet that is available for installations where a foot bracket mount is required.

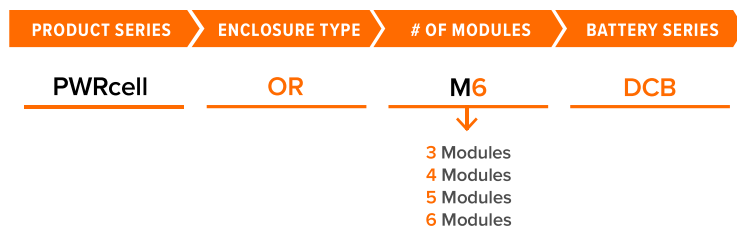
PWRcell ACCESSORIES

Inside of the PWRcell Battery Cabinet, battery modules are stacked two deep on three levels, allowing for up to six modules to be connected in series. You can upgrade an existing PWRcell Battery Cabinet by adding Battery Modules and a Module Spacer (APKE00008). A Module Spacer is only required for battery configurations with an odd number of modules (i.e. 3 or 5).

Generac offers a convenient PWRcell Battery Upgrade Kit (APKE00009) to help replace lost or misplaced hardware.

Note: When adding modules, be sure all modules within a cabinet are the same model (i.e., EX or DCB). Instructions are provided in product manual.

PWRcell MODEL BUILDER



Sample Model Name: PWRcell OR M6 DCB

Generac Power Systems, Inc., 545 W29290 Hwy. 59, Waukesha, WI 53189

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

A0000949454 REV K

©2023 Generac Power Systems. All rights reserved.
Specifications are subject to change without notice.

