

DURACELL®

Introducing **DURACELL® Power Center**



Self Power Your Home

with the Most Flexible Home Battery and Solar Storage Solution
From the Most Trusted Name in Power

Energy Freedom

Self power your home and reduce dependency on the grid with your own microgrid.

Home Backup Protection

100% reliable, fully automated back-up power for extended power outages.

Scalable Power

Modular power of 5kW and 10kW with expandable storage from 14kWh to 42kWh.

24/7 Real-Time Monitoring

Check solar energy and battery performance in real-time, and set preferences to maximize your savings.

Smart Energy Savings

"Load Shifting" stores solar energy in the battery and syncs with time-of-use rate plans to maximize savings.

Automatic Software Updates

Stay current with new functionality, improvements and regulations.

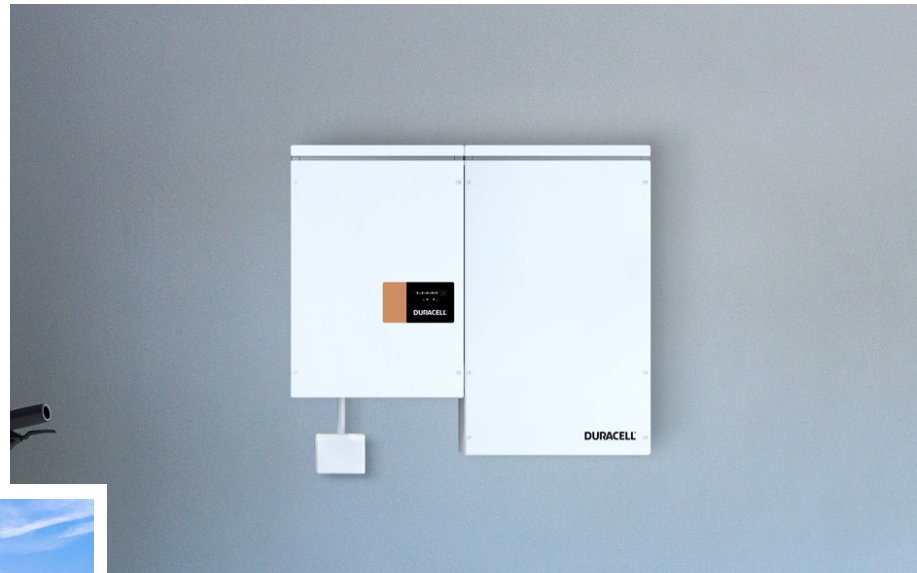
Become a Duracell Partner Today

sales@duracellpowercenter.com

Installation Partner Perks

Simple, Modular System

Easy to expand and customize to meet growing energy needs.



Easy to Install

Compatible with any new or existing solar PV systems and any inverter brand.



Industry Leading Lithium Iron Phosphate Batteries

Backed by our 10-Year Warranty and Performance Guarantee.



Installation Videos and Resources

Walk you through the installation process step-by-step.



24/7 Live Support

Experts standing by to answer your questions.

Duracell Outperforms the Competition

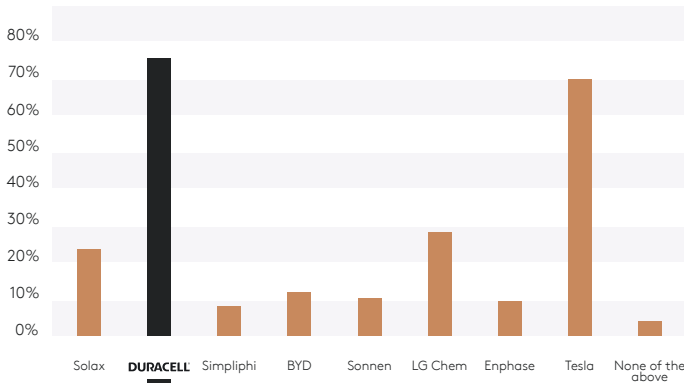
	DURACELL	Tesla	Enphase	Generac PwrCell	Generac Natural Gas	Sonnen
Continuous Power / Peak Output (kW)	5 / 8.5	5 / 7	3.84 / 5.7	7.6 / 9	75	4 / 8.5
Base Unit Storage Capacity (kWh)	14 kWh to 42 kWh	13.5	10	8.3 / 17	0	Up to 20
Battery Chemistry	LFP	NMC	LFP	NMC	Natural Gas	LFP
Flexible Storage Capacity	✓	×	×	✓	×	✓
Use with any PV Design	✓	✓	×	×	×	✓
Retrofit to any existing PV system	✓	✓	×	×	×	✓
Backup Power (no PV)	✓	×	×	✓	×	×
Auto-Recovery	✓	×	×	×	×	×
Water-free cooling	✓	×	✓	✓	×	✓
Outdoor Installation	✓	✓	✓	✓	✓	×
Charges from Solar in Backup Mode	✓	✓	✓	✓	✓	✓
Built-in VPP Capability	✓	✓	✓	✓	✓	✓
Solar Self-Consumption/Backup	✓	✓	✓	✓	✓	✓



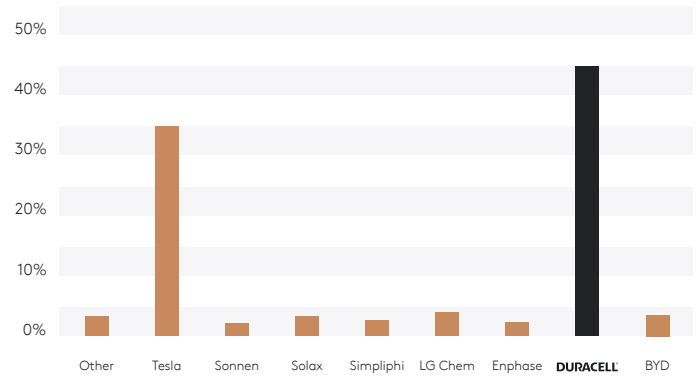
Customers Love Duracell

Consumers Want Duracell More Than Any Other Brand

Based on your current knowledge, which of the following Home Energy Storage brands would you consider to purchase?



Which of the following brands would you mostly likely choose if you were to purchase a Home Energy Storage System today?



“We Trust the Duracell brand more than any other”

- Willis Family



Product Specifications

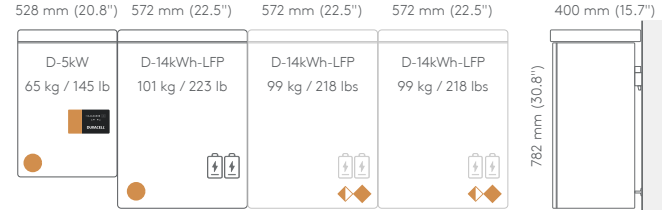
Duracell Power Center 5kW

DIMENSIONS

Power rating 5 kW
Battery capacity 14kWh to 42kWh

PCS: AC RATINGS

Rated power	[kW]	5.0
Rated voltage	[V]	240/120 split-phase
Rated frequency	[Hz]	60
Rated current	[A]	20.8
Maximum overcurrent protection ¹	[A]	60.0
Power factor range		0.8 lead to 0.8 lag
DC ground fault monitoring		Included



BATTERY MODULE RATINGS

Chemistry		LiFePO ₄
Voltage range	[Vdc]	44.5 to 53.5
Maximum charge & discharge current (recommended)	[A _{dc}]	74.0 (37.0)
DC capacity / (usable)	[kWh]	3.55 / (3.37)
Cycle life		>6000 @ 25°C

DC ENERGY STORAGE RATINGS

Maximum battery modules per cabinet		4
DC capacity (usable), per cabinet	[kWh]	14.2 (13.5)
Total maximum continuous PCS charge / discharge current	[A _{dc}]	100 / 125
Total maximum capacity (1C) ⁻²	[aH]	887.5
Total maximum energy (1C) ⁻²	[kWh]	42.6

PCS BACKUP POWER RATINGS

Rated output power	[KVA]	5.0
Surge rating (6+ battery modules required)	[%]	120 (30 min), 170 (5 sec)
Transfer power interrupt time: to backup / to grid	[s]	4.0 / 0.0

GENERAL RATINGS

Mounting method		Wall-mount
Ambient operating temperature range (recommended)	[°C]	0 to 50 (15 to 30)
Relative air humidity, maximum	[%]	95 (non-condensing)
ESS roundtrip efficiency ³	[%]	> 85.7
PCS (inverter) CEC weighted efficiency	[%]	94.5
Protection degree		Type 3R (NEMA), Indoor / Outdoor
Galvanic Isolation		Transformer
Cooling - PCS / Battery		Fan (thermostat) / convection
Energy consumption, standby (operating)	[W]	8 (30)
Display / EMS communication		LED: battery SOC level, system status / Modbus RS-485

CERTIFICATIONS & WARRANTY

EMC	FCC Part 15 Class B
Safety	UL 9540, UL 1741SA, UL 1973, CSA 22.2 No 107.1, IEEE 1547
Utility interface	CSIP Rule 21, HI Rule 14H
Warranty / battery performance guarantee	10 year / 70% capacity, pro-rated / 15 year power controls

- The installed circuit breaker rating is dependent upon the interconnected Duracell Power Center model rating.
- The max. specified DC capacity & energy ratings are constrained by the max number of battery modules in a single BMS CANbus network; US3000C limit is twelve modules. Combined minimum roundtrip efficiency (RTE) of the base PCS model with two battery modules at <0.5C
- charge & discharge rating. The RTE increases with each additional battery module.

PowerCenter+ Certification: NRTL listed to UL standards

DURACELL® Power Center

5400 Hellyer Avenue

San Jose, CA 95138

duracellpowercenter.com

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