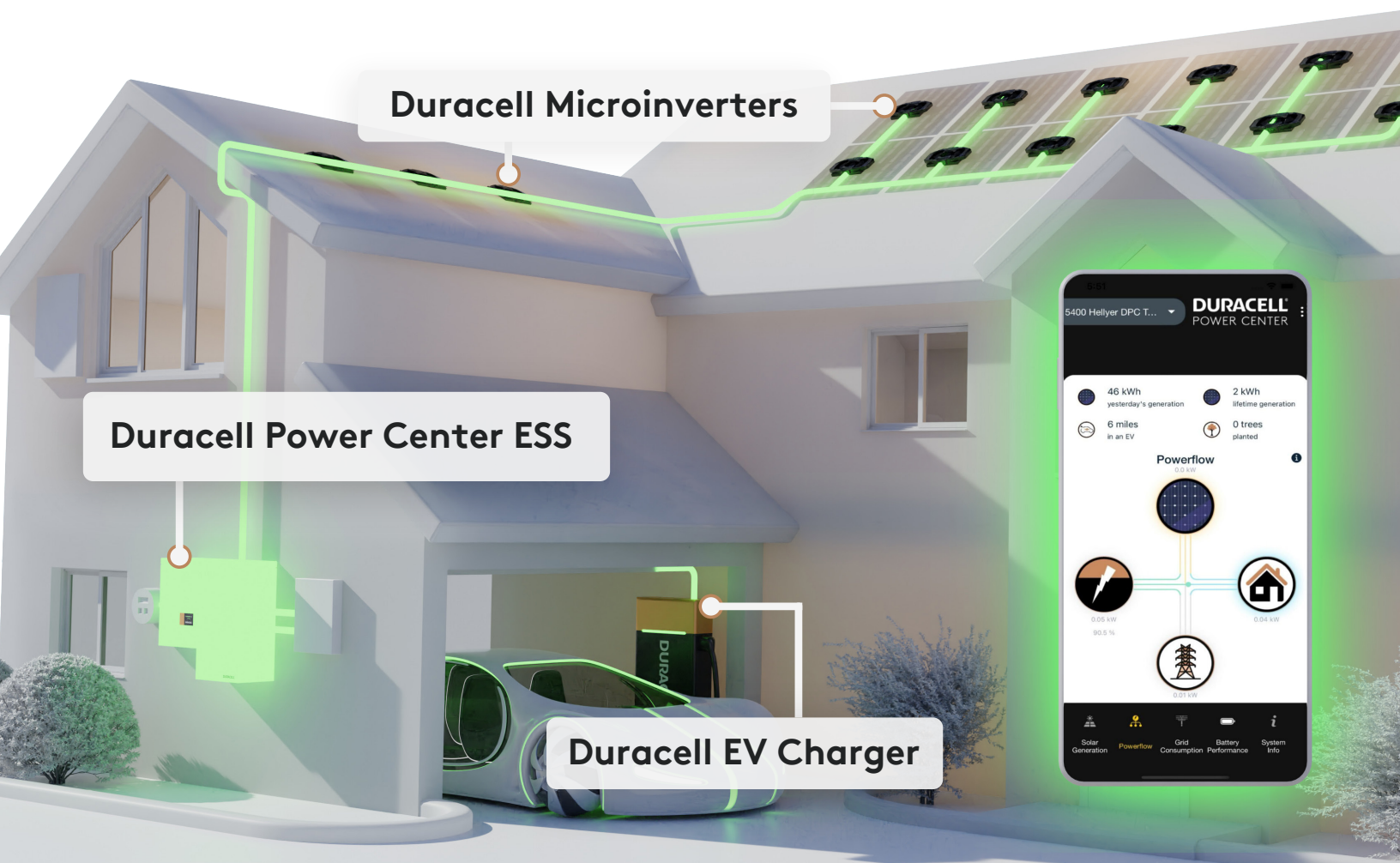


**DURACELL**<sup>®</sup>  
POWER CENTER

# DURACELL<sup>®</sup>

## HOME ECOSYSTEM



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## DURACELL Power Center Solar + Storage solutions from a trusted name in power

Decades of experience in **home energy solutions design, manufacturing, sales and marketing.**

**Partnership with Duracell** to introduce Duracell Home Ecosystem products in the North American market.

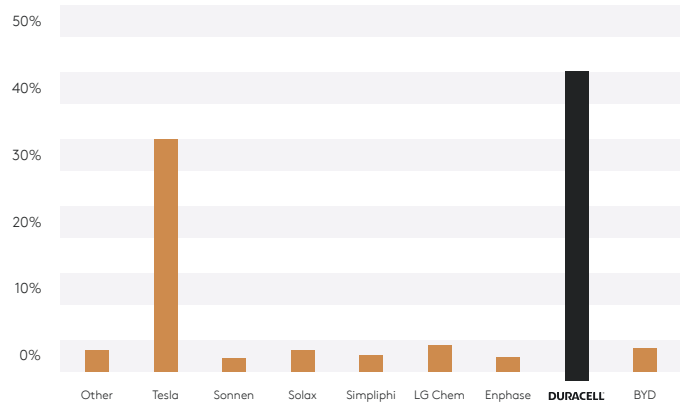
**Certified Partner Program** with installation videos, resources and custom marketing programs to drive growth.

**Significant investment** in manufacturing, technology and supply chain allow us to meet growing consumer demand.

Duracell brand brings a long history of **quality, reliability and innovation.**

## Consumers Want Duracell More Than Any Other Brand

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

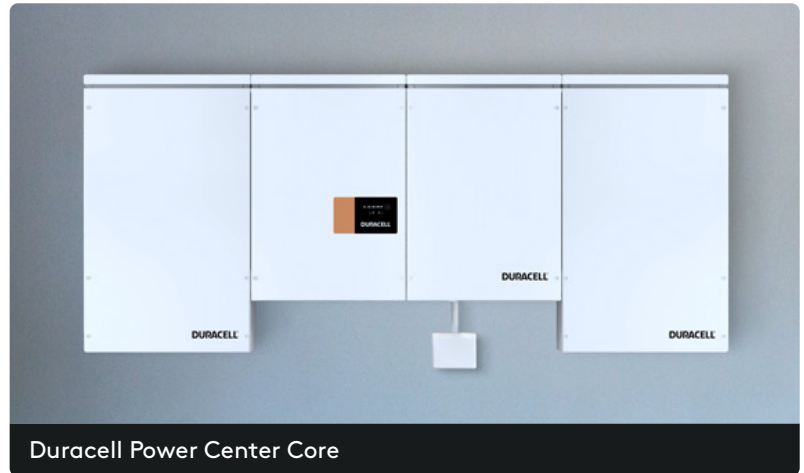
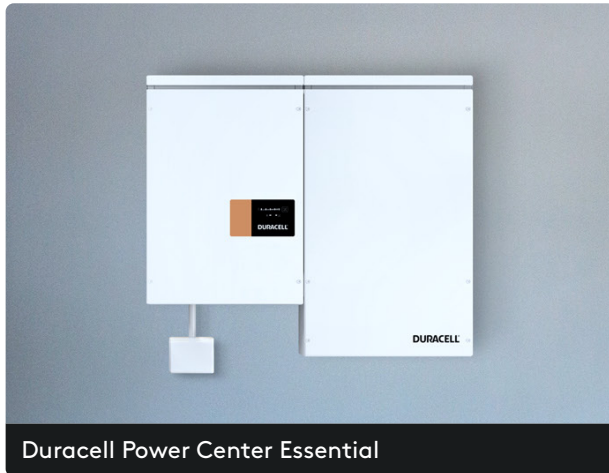


**“Duracell sees tremendous opportunity to create effective green power management solutions for the home. Ultimately allowing the consumer to manage, store, and control all aspects of power within their home.”**

**Bobby Mendez**  
President, Duracell North America

## Duracell Power Center Energy Storage System

The Duracell Power Center ESS offers flexible and customizable solutions for backup power protection, time-of-use cost savings, and solar self-consumption. Our AC coupled systems are fully integrated and ready to install right out of the box.



### High Performance

- 5 kW or 10 kW continuous power output
- 14 kWh to 42 kWh storage capacity for the Duracell Power Center Essential unit
- Deep discharge use in daily cycle applications

### Safe and Long-lasting Cobalt-Free Battery Chemistry

- Lithium Iron Phosphate (LFP) battery modules
- Non-toxic and non-hazardous
- Twice the life cycle design as other battery chemistries (6000+ cycles)

### Maximum Installation Flexibility

- Modular wall-mount format
- AC coupled, ideal for new or existing solar PV installations

### Indoor or Outdoor Use

- NEMA 3R rated, 14 to 122 ambient operating temperature

### Customizable Sizing

- Additional 14 kWh battery cabinets can be added to increase storage capacity up to 42 kWh for the Duracell Power Center Essential unit

### Durability

- 10-year full system warranty
- 15-year power electronics warranty

## Duracell Power Center Core

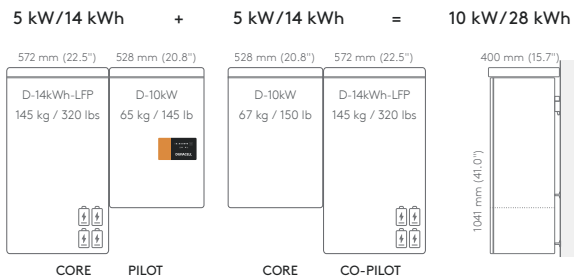
10 kW / 28 kWh is achieved by pairing two ESS units: one of each configured in pilot and co-pilot mode.

### DIMENSIONS

Power rating 10 kW  
Battery capacity 28 kWh

#### PCS: AC RATINGS - per Pilot Unit

Rated power <sup>-1</sup>	[kW]	5.0
Rated voltage	[V]	120
Rated frequency	[Hz]	60
Rated current	[A]	41.6
Maximum overcurrent protection <sup>-2</sup>	[A]	100.00
Power factor range		0.8 lead to 0.8 lag
DC ground fault monitoring		Included



#### BATTERY MODULE RATINGS

Manufacturer/Model/Chemistry	Pylontech / US3000C / LiFePO <sub>4</sub>
Voltage range	[Vdc] 44.5 to 53.5
Maximum charge & discharge current (recommended)	[Adc] 74.0 (37.0)
DC capacity / (usable)	[kWh] 3.55 / (3.2)
Cycle life	>6000 @ 25°C

#### PCS BACKUP POWER RATINGS - per Pilot Unit

Rated power	[KVA]	5.0
Surge rating, 30 minute	[%]	120
Surge rating, 5 seconds	[%]	170
Transfer interrupt time: to backup	[s]	4.0
Transfer interrupt time: to grid	[s]	0.0

#### DC ENERGY STORAGE RATINGS

Maximum battery modules per cabinet		4
DC capacity (usable), per cabinet	[kWh]	14.2 (12.8)
Total maximum continuous PCS charge / discharge current	[Adc]	200 / 250
Total maximum capacity (1C) <sup>-3</sup>	[Ah]	1184
Total maximum energy (1C) <sup>-3</sup>	[kWh]	28.4

#### GENERAL RATINGS

Mounting method		Wall-mount
Configuration options		Pilot/Co-Pilot
Ambient operating temperature range (recommended)	[°C]	0 to 50 (15 to 30)
Energy consumption, standby (operating)	[W]	16 (60)
Relative air humidity, maximum	[%]	95 ( non-condensing)
ESS roundtrip efficiency <sup>-4</sup>	[%]	> 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
Display		LED: battery SOC level, system status
EMS communication		Modbus TCP-IP

#### CERTIFICATIONS & WARRANTY

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

1. 10 kW / 28 kWh is achieved by pairing two ESS units; one of each configured in pilot and co-pilot mode. Consult Power Center for more details.  
 2. The installed circuit breaker rating is dependent upon the interconnected Power Center Core model rating.  
 3. 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 sixteen modules.  
 4. 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.  
 \* Test report available upon request.

Power Center Certification: NRTL listed to UL standards