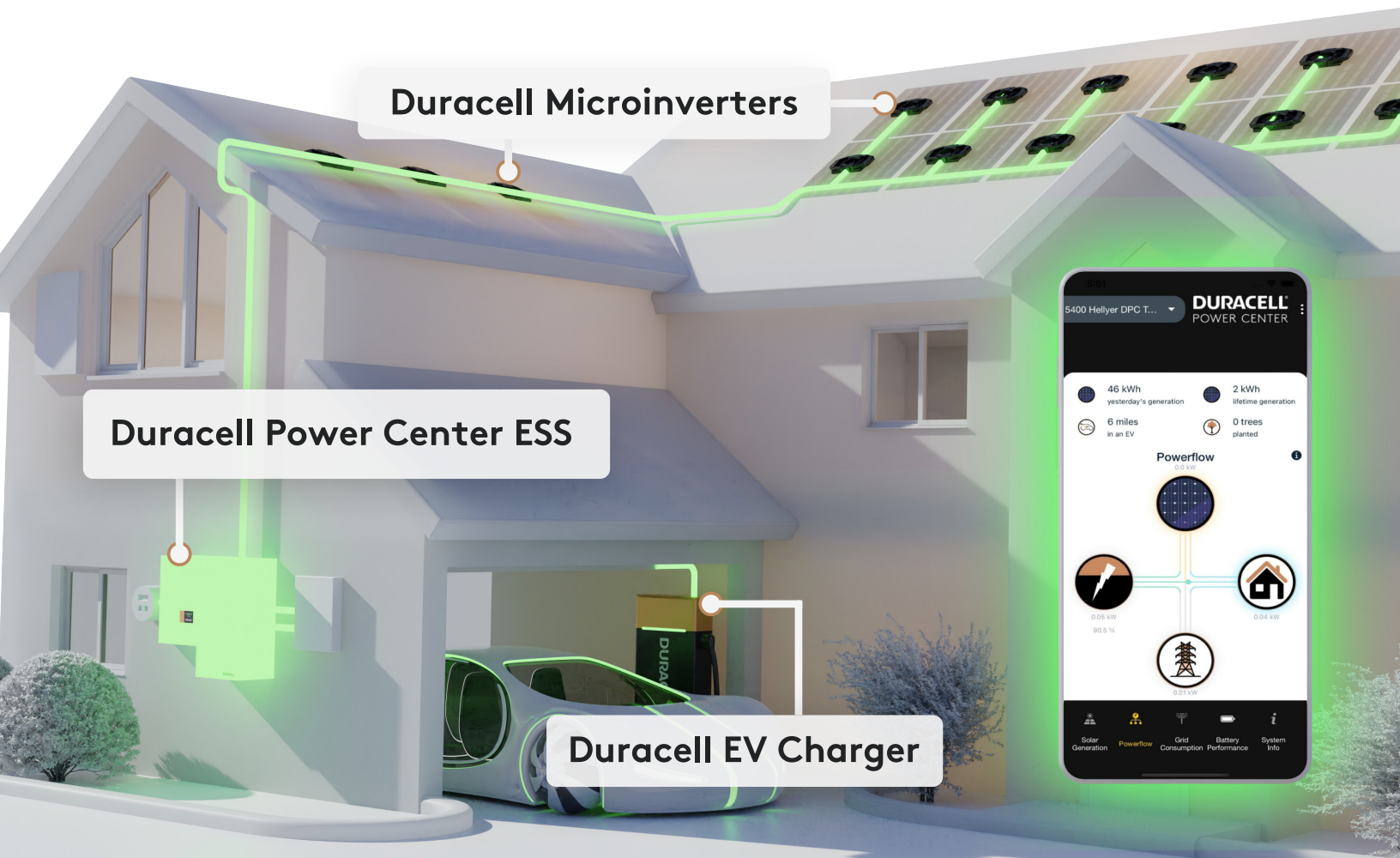


DURACELL®
POWER CENTER

DURACELL®

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 and resources, live support 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.**

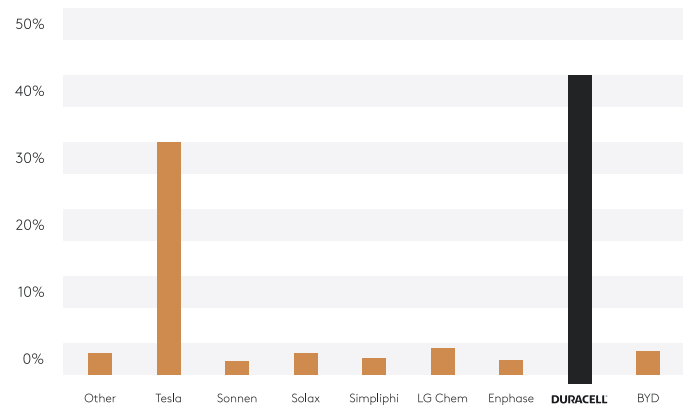


“Duracell sees tremendous opportunity to create effective green power management solutions for the home. Ultimately allowing the consumer to manage, store, and control all aspects of power within their home.”

Bobby Mendez
President, Duracell North America

Consumers Want Duracell More Than Any Other Brand

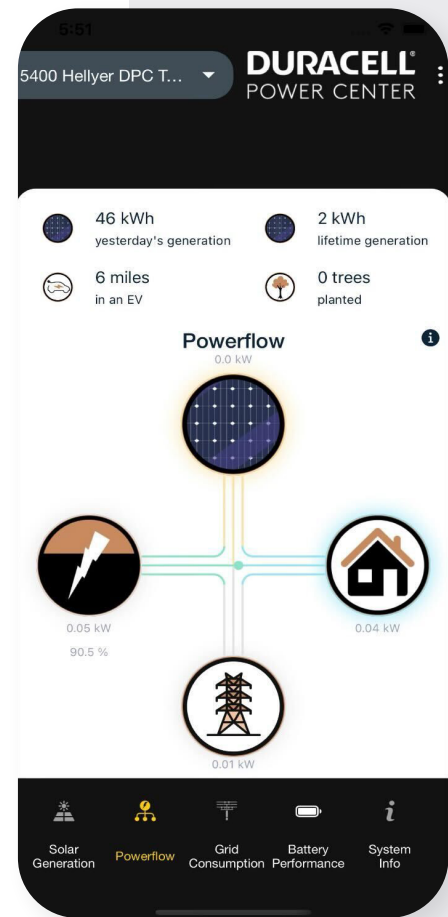
Which of the following brands would you mostly likely choose if you were to purchase a Home Energy Storage System today?



DURACELL Home Ecosystem

Home Energy App

- Monitor Duracell Home Ecosystem microinverters, energy storage system, and EV charger performance in real-time from any smartphone.
- View energy usage, production, and storage.
- Set time-of-use preferences to maximize savings.
- Control battery emergency reserve to prepare for protection against power outages.



DURACELL Home Ecosystem

EV Charger

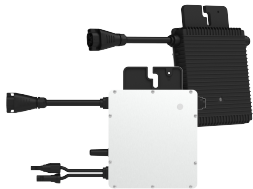
- Level 2 EV Charger.
- Up to 19.2 kW power output.
- Smart charging and smart management to optimize energy usage and maximize savings.
- Meets newest ISO 15118 standard for smart charging and management, providing eligibility to participate in utility programs.
- Easy and flexible network connectivity with either wifi or ethernet for Duracell Home Ecosystem App management.
- Software upgradable for future bi-directional charging.



DURACELL Home Ecosystem

Microinverters

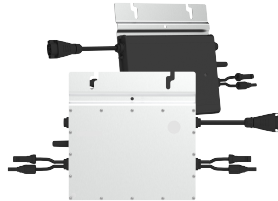
Single



D350-M1

PV module input: 1
Output Power: 350 W
Module input: 470+ W

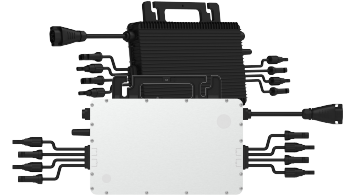
Dual



D700-M2

PV input: 2
Output Power: 700 W
Module input: 470 + W

Quad



D1500-M4

PV input: 4
Output Power: 1500 W
Module input: 505+ W

Duracell Home Ecosystem microinverters support fast, easy, and flexible installation with the highest power output yield per PV module.

AC trunk cable format allows any combination of single, dual, and quad microinverters to optimize even the most complex rooftop installations, up to 16 modules per branch.

Fast and efficient commissioning process can be completed remotely. Simple termination to standard junction box, main panel, or sub panel. No specialized combiner box required.

Compliant with U.S. NEC-2017 & NEC-2020 690.12 rapid shutdown and CA Rule 21. High reliability with NEMA 6 enclosure, 6000V surge protection



DURACELL Home Ecosystem

Microinverters

Technical Data Solar PV Microinverters D350-M1 / D700-M2 / D1500-M4

Model	D350-M1		D700-M2		D1500-M4	
Input Data (DC)						
Number of PV inputs	1		2		4	
Module power range, typical (W)	280 to 470+		280 to 470+		300 to 505+	
Maximum input voltage (V)			60			
MPPT voltage range (V)			16-60			
Start-up voltage (V)			22			
Maximum input current (A)			11.5			
Output Data (AC)						
Peak output power (VA)	350		700		1500	1350
Maximum continuous output power (VA)	349		696		1438	1246
Maximum continuous output current (A)	1.45	1.68	2.9	3.35	5.99	5.99
Nominal output voltage(V)	240	208	240	208	240	208
Nominal output voltage range1 (V)	211-264	183-228	211-264	183-228	211-264	183-228
Nominal frequency/range1 (Hz)			60/55-65			
Power factor (adjustable)	>0.99 default (0.8 lead to 0.8 lag)					
Total harmonic distortion			<3%			
Maximum units per branch2 (10 AWG)	16	14	8	7	4	4
Efficiency						
CEC peak efficiency (%)			96.7			
CEC weighted efficiency (%)			96.5			
Nominal MPPT efficiency (%)			99.8			
Nighttime power consumption (mW)			<50			
Mechanical Data						
Ambient temperature range (°C)			-40 to +65			
Dimensions (W × H × D) mm	182 x 164 x 29.5		250 x 170 x 28		280 x 176 x 33	
Weight (kg)	1.75		2.6		3.35	
Enclosure rating			Outdoor NEMA 6			
Cooling			Natural convection - no fans			
Features						
Communication			2.4 GHz proprietary RF (Nordic)			
Monitoring			Yes			
Warranty			Up to 25 years			
Compliance	UL 1741, IEEE 1547, UL 1741 SA (240 Vac), CA Rule 21 (240 Vac), CSA C22.2 No. 107.1-16, FCC Part 15B, FCC Part 15C					
PV Rapid Shutdown	Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218		Rapid Shutdown of PV Systems			

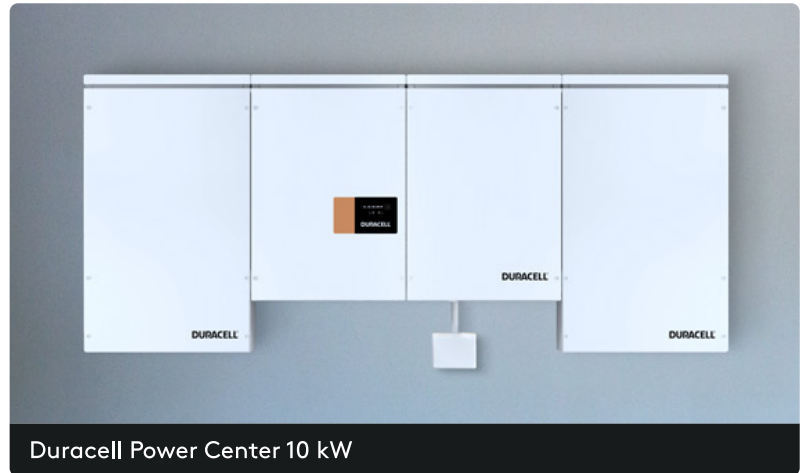
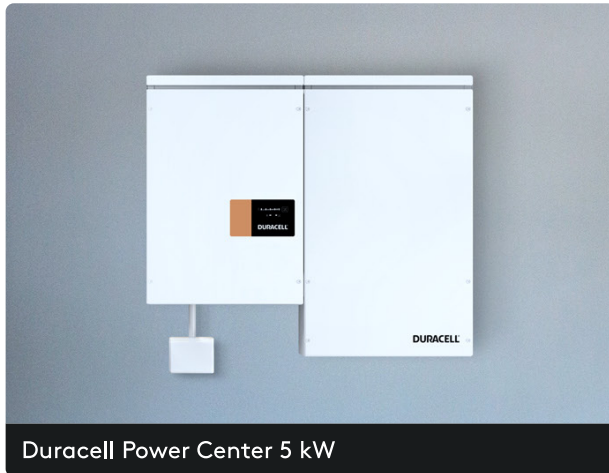
*1. Nominal voltage/frequency range can vary depending on local requirements.

*2. Refer to local requirements for exact number of microinverters per branch.

DURACELL Home Ecosystem

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 56 kWh storage capacity
- 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 56 kWh

Durability

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

DURACELL Home Ecosystem

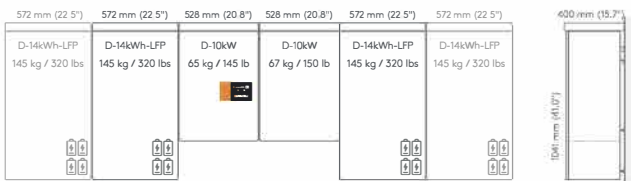
Duracell Power Center

DIMENSIONS

Power rating 10 kW
Battery capacity 28 kWh to 56 kWh

PCS: AC RATINGS

Rated power	[kW]	10.0
Rated voltage	[V]	240/120 split-phase
Rated frequency	[Hz]	60
Rated current	[A]	41.6
Maximum overcurrent protection ¹	[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 ₄
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

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) ⁻²	[Ah] 1184
Total maximum energy (1C) ⁻²	[kWh] 56.8

PCS BACKUP POWER RATINGS

Rated output power	[KVA]	10.0
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] 16 (60)
Display / EMS communication	LED: battery SOC level, system status

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 / 60% capacity, pro-rated

1. The installed grid and load circuit breaker ratings are dependent upon the lesser of (A) the Hub maximum overcurrent protection rating to which the ESS is connected, or (B) 100 Amps.
2. 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.
3. 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.

Scan for Product Datasheets



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