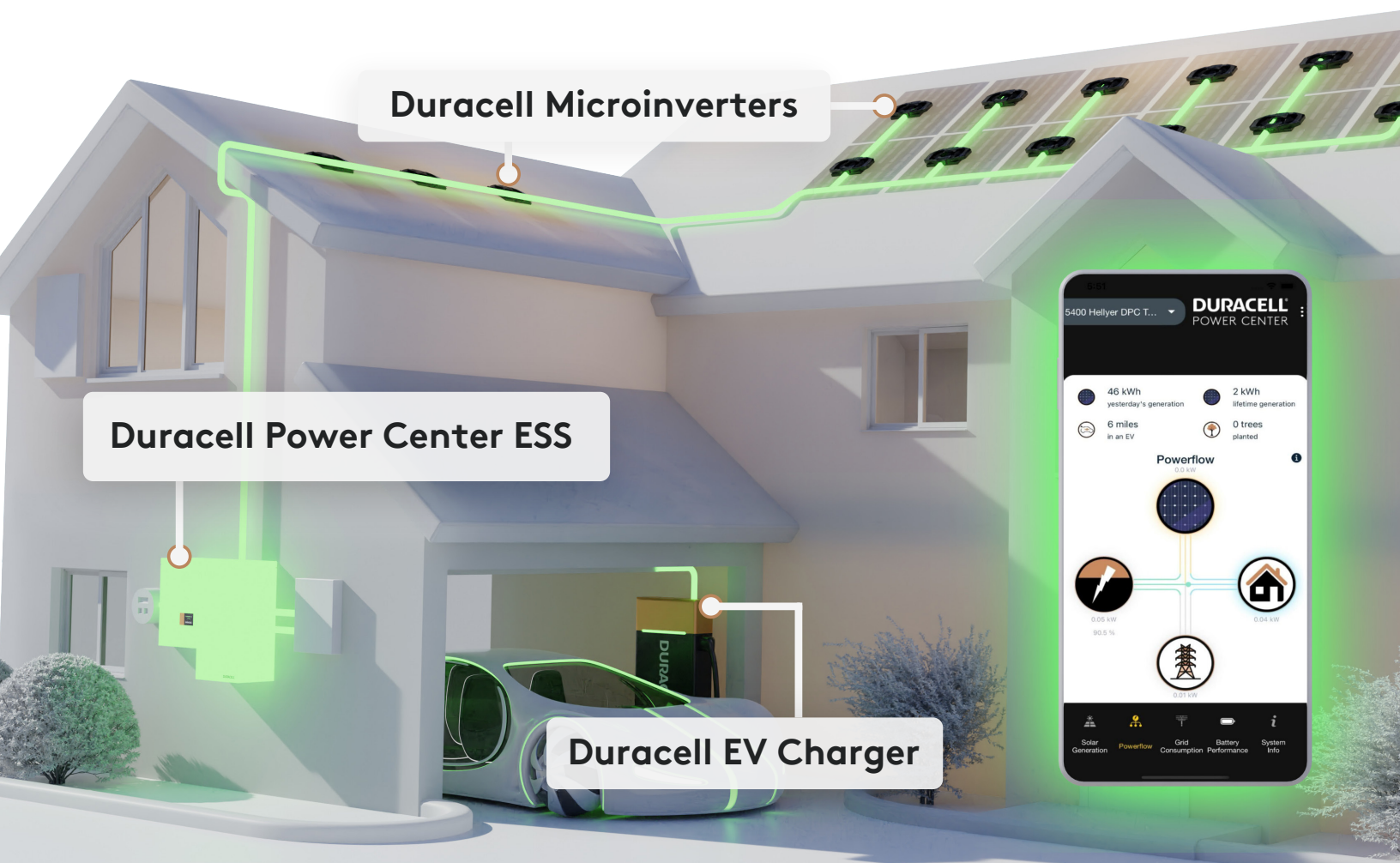


DURACELL[®]
POWER CENTER

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.

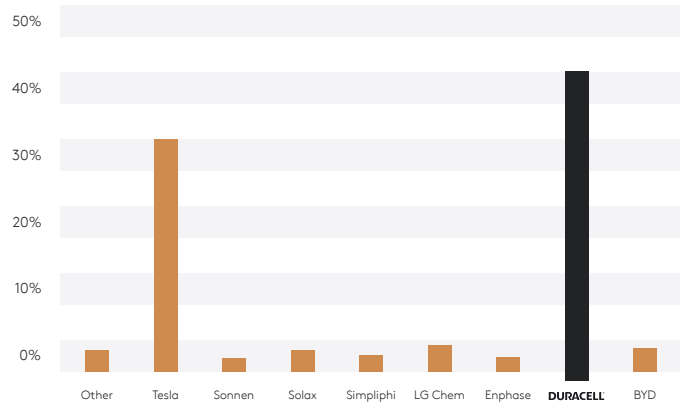
Certified Partner Program with installation videos, resources and custom marketing programs to drive growth.

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?

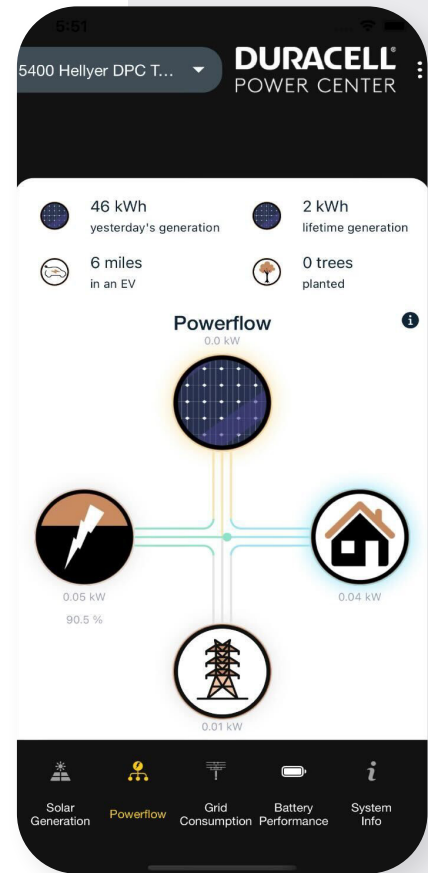


“Duracell sees tremendous opportunity to create effective green power management solutions for the home. Ultimately allowing the consumer to manage, store, and control all aspects of power within their home.”

Bobby Mendez
President, Duracell North America

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.



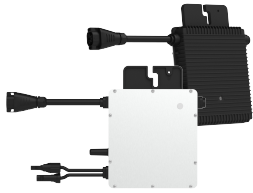
EV Charger

- 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.



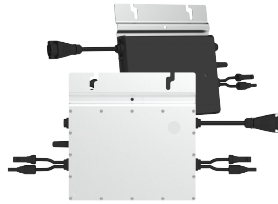
Microinverters

Single



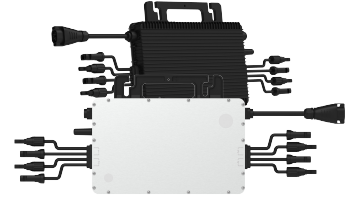
D350-M1
PV module input: 1
Output Power: 350 W
Module input: 470+ W

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



Microwinverters

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

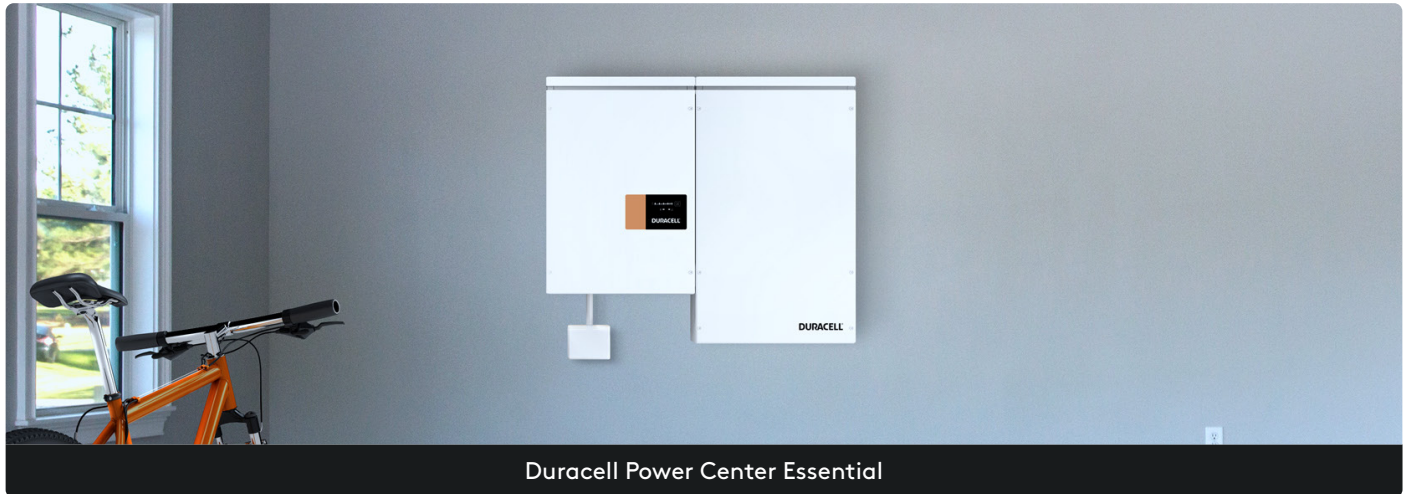
Model	D350-M1		D700-M2		D1500-M4	
Input Data (DC)						
Number of PV inputs	1		2		4	
Module power range, typical (W)	280 to 470+		280 to 470+		300 to 505+	
Maximum input voltage (V)			60			
MPPT voltage range (V)			16-60			
Start-up voltage (V)			22			
Maximum input current (A)			11.5			
Maximum input short circuit current (A)			15			
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 range ¹ (V)	211-264	183-228	211-264	183-228	211-264	183-228
Nominal frequency/range ¹ (Hz)	60/55-65					
Power factor (adjustable)	>0.99 default (0.8 lead to 0.8 lag)					
Total harmonic distortion	<3%					
Maximum units per branch ² (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 x H x 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, UL 1741 SB (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 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

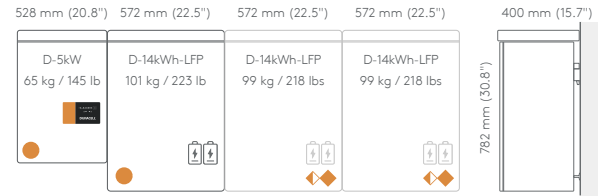
Duracell Power Center Essential

DIMENSIONS

Power rating 5 kW
Battery capacity 14 kWh to 42 kWh

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)	[Adc]	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	[Adc]	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 1741 SA, UL 1741 SB (240 Vac), 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

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) 60 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 twelve 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.

Power Center Certification: NRTL listed to UL standards

Duracell Power Center Max Hybrid 15

DURACELL HOME ECOSYSTEM



15-30 Example Shown

The **Max Hybrid 15** allows you to configure up to 20 stackable batteries per inverter, providing customizable power solutions that meet your specific energy needs.

BATTERY	15-15	15-20	15-25	15-30	15-40
Capacity	15kWh	20kWh	25kWh	30kWh	40kWh
# of stackable modules	3	4	5	6	8
Grid to battery charge efficiency	96%				

AC	Output Power 15kW On-Grid & Off-Grid
Connections	120/240/208V Split Phase
Continuous AC Power with PV	15,000W 62.5A-L (240V)
Continuous AC Power from Batteries	12,000W 50A-L (240V)
Total Harmonic Distortion (THD)	≤ 3%
Surge AC Power 10sec	24,000VA L-L (240V)
Surge AC Power 100ms	30,000VA L-L (240V)
Fault Current 100ms	94A w/PV 75A w/o PV 120A
Parallel Stacking	Yes - Up to 12
Frequency	60/50Hz
Continuous AC Power with Grid or Generator	48,000W 200A L-L (240V) 24,000W 200A L-N (120V)
CEC Efficiency	96.5% (Peak 97.5%)
Idle Consumption Typical—No Load	90W
Sell Back Power Modes	Limited to Household/Fully Grid-Tied
Design (DC to AC)	Transformerless DC
Response Time (Grid-Tied to Off-Grid)	4ms
Power Factor	+/- 0.9 - 1.0

PROTECTIONS & CERTIFICATIONS

Electronics Certified Safety by SGS Labs to NEC & UL Specs - NEC 690.4B & NEC 705.4/6	Yes
Grid Sell Back — UL1741-2010/2018, IEEE1547a-2003/2014, FCC 15 Class B, UL 1741 SA, UL 1741 SB (240 Vac), CA Rule 21, HECO Rule 14H	Yes
PV DC Disconnect Switch — NEC 240.15	Integrated
Ground Fault Detection — NEC 690.5	Integrated
PV Rapid Shutdown Control — NEC 690.12	Integrated
PV Arc Fault Detection — NEC 690.11	Integrated
PV Input Lightning Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
AC Output Breakers - 200A	Integrated
200A x 2 Battery Breaker / Disconnect	Integrated
Surge Protection	DC Type II / AC Type II

SOLAR	Input Power 19,500W
Max Allowed PV Power	19,500W
Max PV Power Delivered to Battery & AC Outputs	15,000W
Max DC Voltage (Voc)	500V @ 26A
MPPT Voltage Range	125-425V
Starting Voltage	125V
Number of MPPT	3
Max Solar Strings Per MPPT	2
Max DC Current per MPPT (Self Limiting)	26A
Max AC Coupled Input (Micro/String Inverters)	19,200W

Duracell Power Center Core

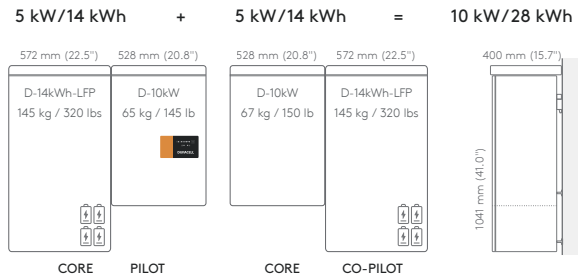
10 kW / 28 kWh is achieved by pairing two ESS units: one of each configured in pilot and co-pilot mode.

DIMENSIONS

Power rating 10 kW
Battery capacity 28 kWh

PCS: AC RATINGS - per Pilot Unit

Rated power ⁻¹	[kW]	5.0
Rated voltage	[V]	120
Rated frequency	[Hz]	60
Rated current	[A]	41.6
Maximum overcurrent protection ⁻²	[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

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) ⁻³	[Ah]	1184
Total maximum energy (1C) ⁻³	[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 ⁻⁴	[%]	> 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 1741 SA, UL 1741 SB (240 Vac), 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

Scan for Product Datasheets



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