

Product Specifications

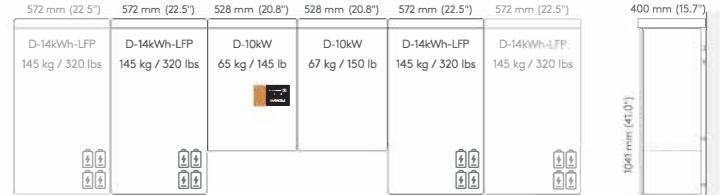
Duracell Power Center Core

DIMENSIONS

Power rating 10 kW
Battery capacity 28 kWh to 56kWh

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)	[A _{dc}] 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	[A _{dc}] 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 9540A, UL 1741SA, UL 1973, CSA 22.2 No 107.1,
Utility interface	IEEE 1547 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.

PowerCenter+ Certification: NRTL listed to UL standards