

Power rating 5 kW
Battery capacity 14kWh

Model: **POWER CENTER 5kW**

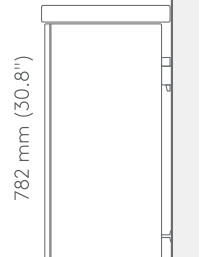
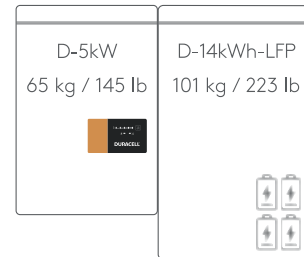
DIMENSIONS

PCS: AC RATINGS

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

528 mm (20.8") 572 mm (22.5")

400 mm (15.7")



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)	[kWh]	14.2 (13.5)
Total maximum continuous PCS charge / discharge current	[Adc]	100 / 125

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 ²	[%]	> 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



NRTL certification listee: Power Center

1. The installed circuit breaker rating is dependent upon the interconnected Duracell Power Center model rating.
2. 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.