



Developed in partnership with Panasonic, the Harbor Flex smart battery offers entry-level power and capacity without sacrificing flexibility or function. Upgrade the Harbor Flex to a Harbor Plus at any time with the addition of two Panasonic battery modules for more performance if desired.

The modular design of the Harbor smart battery makes it fast and easy to install powerful lithium-ion battery storage. Panasonic battery modules drop into the pre-wired light enclosure for ultimate on-site efficiency.

- Couple with solar for battery backup power
- Powerful pre-programmed time-of-use (TOU) settings
- Plug-and-play with Pika Inverters and smart batteries
- Connect up to four Harbor batteries for extra capacity
- CA Self Generation Incentive Program (SGIP) ready

Specification

Units

Note

Specification		Units	Note
Total Energy	13.5	kWh	Total energy capacity
Usable Energy	11.4	kWh	Automatically-controlled optimal DoD
Power: Rated Continuous	4.5	kW	Full cycle: 0% to 100% to 0% SoC @ 30° C
Power: 60 minutes	6.0	kW	Discharge @ 25° C
Power: 5 minutes	6.7	kW	Discharge @ 25° C
REbus Voltage: Input/Output	360 - 420	VDC	380VDC nominal
Round-Trip Efficiency	96.5	%	REbus to REbus (DC to DC)
Operating Temp. Range	41-113, (5-45)	°F, (°C)	Optimally controlled
Recommended Temp. Range	54-86, (13-30)	°F, (°C)	Recommended for battery longevity
Maximum Installation Altitude	9834, (3000)	ft, m	Module warranty void if installed above limit
Dimensions	68 x 22 x 10 (1725 x 560 x 235)	in, (mm)	Approx. H x W x D
Battery Modules	4	-	Touch-safe Panasonic DCB-105
Module Voltage	46.8	VDC	Internal, per-module nominal DC voltage
Weight (Li-ion module)	55, (25)	lb, (kg)	-
Weight (Enclosure)	115, (52)	lb, (kg)	42lb Cover, 73lb Chassis
Weight (Installed)	335, (152)	lb, (kg)	-
Communication Protocol	REbus DC Nanogrid™	-	Power Line Carrier
Compliance	UL9540, UL1973, UL1642	-	-
Warranty: Electronics	10	Years	From Pika Energy
Warranty: Li-ion Modules	10/30.2	Years/MWh	From Panasonic