



Featuring Swift-Rack™ installation

The Harbor Flex smart battery offers homeowners a high-performance energy storage system at an attractive installed price per kilowatt-hour. Featuring Panasonic DCB-105 lithium ion battery modules, the Harbor Flex can be expanded to make a Harbor Plus™ smart battery with even more energy and power capacity, making it simple for system owners to accommodate their changing energy needs. This scalable and flexible smart battery unit is designed for solar-plus-storage applications including self-supply, rate arbitrage and clean backup power.

Feature Overview

- Powered by Panasonic Li-Ion Battery Technology
- 136% of the continuous power of other DC-coupled batteries
- 114% of the usable capacity of other DC-coupled batteries
- 10.6kWh usable energy, expandable to 15.9kWh
- 4.5kW continuous power, expandable to 6.7kW
- Faster installation time via Rapid-Rack design; 1-2 technicians can install Harbor in under an hour

The Harbor Flex smart battery contains four Panasonic DCB-105 2.65kWh battery modules connected in series.

Specification		Units	Note
Total Energy	13.52	kWh	Total energy capacity
Usable Energy	10.6	kWh	Automatically-controlled optimal DoD
Power (Continuous)	4.5	kW	Charge and discharge
Power (Surge)	10.0	kW	-
Duration	2.22	Hrs	Capacity / Power
Battery Modules	4	-	Touch-safe Panasonic DCB-105
DC Voltage (Output)	360 - 420	VDC	380VDC nominal
DC Voltage (Per Module)	46.8	VDC	Nominal DC voltage
DC Current (Internal)	24	A	-
Round-Trip Efficiency	>90	%	PV > battery > load
Operating Temp. Range	0-50, (32-122)	°C, (°F)	Extreme temps may affect performance
Recommended Temp. Range	13-30, (54-86)	°C, (°F)	100% rated performance
Dimensions	68 x 22.5 x 9.5, (1718 x 561 x 241)	in, (mm)	Approx., (H x W x D)
Weight (Enclosure)	115, (52)	lb, (kg)	42lb Cover, 73lb Chassis
Weight (Batteries)	220, (100)	lb, (kg)	55lbs / module
Weight (Total)	335, (152)	lb, (kg)	-
Communication Protocol	REbus DC Nanogrid™	-	Power Line Carrier
Compliance	UL 9540, UL 1741, UL 1973, UL 1642	-	-
Warranty	10	years	-



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The Harbor Plus smart battery is the choice of homeowners who want more usable energy and higher power capacity from their solar-plus-storage system. Featuring Panasonic DCB-105 lithium ion battery modules, Harbor Plus offers an industry-leading combination of usable capacity, continuous power and surge power for starting up and supporting large household loads. The scalable, flexible Harbor Plus is ideal for clean backup power, self-supply and rate arbitrage.

Feature Overview

- Powered by Panasonic Li-ion Battery Technology
- High storage capacity with 15.9kWh usable energy in a compact, easy-to-install enclosure
- Expandable to more than 60kWh on one Pika Islanding Inverter™
- Faster installation time via Rapid-Rack design; 1-2 installers can install Harbor in under an hour
- Low price per installed kWh
- Automatic configuration for backup, self supply, zero-export and peak-avoidance modes

The Harbor Plus smart battery contains six Panasonic DCB-105 2.65kWh lithium ion battery packs connected in series.

Specification		Units	Note
Total Energy	20.28	kWh	Total energy capacity
Usable Energy	15.90	kWh	Automatically-controlled optimal DoD
Power (Continuous)	6.7	kW	Charge and discharge
Power (Surge)	10.0	kW	-
Duration	2.22	Hrs	Capacity / Power
Battery Modules	6	-	Touch-safe Panasonic DCB-105
DC Voltage (Output)	360 - 420	VDC	380VDC nominal
DC Voltage (Per Module)	46.8	VDC	Nominal DC voltage
DC Current (Internal)	24	A	-
Round-Trip Efficiency	>90	%	PV > battery > load
Operating Temp. Range	0-50, (32-122)	°C, (°F)	Extreme temps may affect performance
Recommended Temp. Range	13-30, (54-86)	°C, (°F)	100% rated performance
Dimensions	68 x 22.5 x 9.5, (1718 x 561 x 241)	in, (mm)	Approx., (H x W x D)
Weight (Enclosure)	115, (52)	lb, (kg)	42lb Cover, 73lb Chassis
Weight (Batteries)	330, (150)	lb, (kg)	55lbs / module
Weight (Total)	445, (202)	lb, (kg)	-
Communication Protocol	REbus DC Nanogrid™	-	Power Line Carrier
Compliance	UL 9540, UL 1741, UL 1973, UL 1642	-	-
Warranty	10	years	-