

ENERGY – ON YOUR TERMS

PGHome Part Number	A Controller Model	B BatteryPack, Configuration	Continuous Backup Power With Solar(kW)	Backup Energy (kWh)	Continuous Backup Power Without Solar(kW)	Surge Power With Solar (kW, 10s)
PGHome-11.4-5.38	PG Controller 11.4	PG BatteryPack 5.0 * 1	11.4	5.38	2.85	17.1
PGHome-11.4-8.06	PG Controller 11.4	PG BatteryPack 8.0 * 1	11.4	8.06	4.35	17.1
PGHome-11.4-10.76	PG Controller 11.4	PG BatteryPack 5.0 * 2	11.4	10.76	5.70	17.1
PGHome-11.4-13.44	PG Controller 11.4	PG BatteryPack 5.0 * 1 + PG BatteryPack 8.0 * 1	11.4	13.44	7.20	17.1
PGHome-11.4-16.12	PG Controller 11.4	PG BatteryPack 8.0 * 2	11.4	16.12	8.70	17.1
PGHome-11.4-16.14	PG Controller 11.4	PG BatteryPack 5.0 * 3	11.4	16.14	8.55	17.1
PGHome-11.4-18.82	PG Controller 11.4	PG BatteryPack 5.0 * 2 + PG BatteryPack 8.0 * 1	11.4	18.82	10.05	17.1
PGHome-11.4-21.5	PG Controller 11.4	PG BatteryPack 5.0 * 1 + PG BatteryPack 8.0 * 2	11.4	21.50	11.40	17.1
PGHome-11.4-21.52	PG Controller 11.4	PG BatteryPack 5.0 * 4	11.4	21.52	11.40	17.1
PGHome-11.4-24.18	PG Controller 11.4	PG BatteryPack 8.0 * 3	11.4	24.18	11.40	17.1
PGHome-11.4-24.2	PG Controller 11.4	PG BatteryPack 5.0 * 3 + PG BatteryPack 8.0 * 1	11.4	24.20	11.40	17.1
PGHome-11.4-26.88	PG Controller 11.4	PG BatteryPack 5.0 * 2 + PG BatteryPack 8.0 * 2	11.4	26.88	11.40	17.1
PGHome-11.4-26.9	PG Controller 11.4	PG BatteryPack 5.0 * 5	11.4	26.90	11.40	17.1
PGHome-11.4-29.56	PG Controller 11.4	PG BatteryPack 5.0 * 1 + PG BatteryPack 8.0 * 3	11.4	29.56	11.40	17.1
PGHome-11.4-29.58	PG Controller 11.4	PG BatteryPack 5.0 * 4 + PG BatteryPack 8.0 * 1	11.4	29.58	11.40	17.1
PGHome-11.4-32.24	PG Controller 11.4	PG BatteryPack 8.0 * 4	11.4	32.24	11.40	17.1
PGHome-11.4-32.26	PG Controller 11.4	PG BatteryPack 5.0 * 3 + PG BatteryPack 8.0 * 2	11.4	32.26	11.40	17.1
PGHome-11.4-34.94	PG Controller 11.4	PG BatteryPack 5.0 * 2 + PG BatteryPack 8.0 * 3	11.4	34.94	11.40	17.1
PGHome-11.4-37.62	PG Controller 11.4	PG BatteryPack 5.0 * 1 + PG BatteryPack 8.0 * 4	11.4	37.62	11.40	17.1

Note: The Controller can be configured to 3.8 / 4.8 / 5.7 / 7.6 / 9.6 / 11.4 kW



PGHome-A-B

PointGuard Energy Controller

1 SKU, field configurable to 3.8 / 4.8 / 5.7 / 7.6 / 9.6 / 11.4 kW

PointGuard V2X Module

12.5 / 25kW

PointGuard Battery Pack

2 battery pack capacities for 1-5 pack configuration

5.38 kWh | 8.06 kWh



5.38 kWh Min.

37.62 kWh Max.



PointGuard Energy is leading the new way of producing, storing, dispatching, and consuming electricity in the home. We provide a genuine, all-in-one home energy management system, called PointGuard Home. Its unique 5-in-One modular design integrates the solar inverter, an optional bi-directional EV DC Charger, the Battery PCS, Battery Packs, and the EMS into one fully integrated, intelligent system. With a new era of battery safety, improved long-term performance, ultra-fast installation and commissioning, and a new dimension of intelligence, PointGuard Home provides energy security for your home for the long term.

PointGuard Energy Controller Split Phase

PG Controller							
Field Configuration	3.8	4.8	5.7	7.6	9.6	11.4	Units
DC Input (from PV)							
Max. PV power	7680	9600	11520	15360	19200	22800	W
Max. DC input voltage	600						V
Nominal DC input voltage	360						V
Start-up voltage	100						V
MPPT voltage range	50 ~ 550						V
Number of MPP. trackers	4						
Number of PV strings per MPPT	1						
Max. input current per MPPT	16						A
Max. short-circuit current per MPPT	20						A
AC Input / Output (on-grid)							
Nominal output power	3840	4800	5760	7680	9600	11400	W
Max. continuous current	16.0	20.0	24.0	32.0	40.0	47.5	A
AC switch current rating	20.0	25.0	30.0	40.0	50.0	60.0	A
Nominal output voltage	240 / 120						V
Grid frequency range	59.3 ~ 60.5						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total current harmonic distortion	THDi < 2%						
Efficiency							
Max. efficiency	97.61%						
AC Output (backup)							
Backup output power @240V	3840	4800	5760	7680	9600	11400	W
Backup output power @120V	1920	2400	2880	3840	4800	5700	W
Peak output power (10 seconds)	8640	8640	8640	17100	17100	17100	W
Nominal output voltage	240 / 120						V
Output frequency range	59.3 ~ 60.5						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total voltage harmonic distortion	THDv < 2%						
Disruption time of backup switch ¹	0						ms
Battery Connection							
Supported battery module	PG BatteryPack 5.0 / 8.0						
Battery module voltage range	300 ~ 600						V
General Data							
Dimensions (W / H / D)	27.6 x 11.8 x 10.2 / 700 x 300 x 260						in / mm
Weight	77.1 / 35						lbs / kg
Storage temperature range	-40 ~ 158 / -40 ~ 70						°F / °C
Operating temperature range	-22 ~ 140 / -30 ~ 60						°F / °C
Relative humidity range	0% ~ 95%						
Max. operating altitude	13123 / 4000						ft / m
Cooling	Smart air cooling						
Communication	WLAN / Fast Ethernet (FE) / RS485 / PG CommMod (4G / 3G)						
Standard Compliance							
Certifications	UL 1741, UL 1741 SB, UL 1741 CRD, IEEE 1547-2018, IEEE1547.1-2020, UL 1998, UL 991, UL 1699B, CP 65, FCC Part 15 Class B						

1. This refers to the load-side disruption time, to achieve this function PG LoadHub needs to be used together with PG Controller and PG BatteryPack. Test conditions: In the open-circuit state of the power grid, the nominal power of the PG Controller is higher than the total power of the home loads.

PointGuard Battery Pack 5.0 / 8.0 kWh

PG BatteryPack	5.0	8.0	Units
Performance Specification			
Battery type	LiFePO ₄		
Total energy capacity	5.38	8.06	kWh
Usable energy capacity ¹	5.2	7.8	kWh
Max. charge / discharge power	2850	4350	W
Peak charge / discharge power (10 seconds)	4275	6525	W
General Data			
Weight	125.7 / 57	160.9 / 73	lbs / kg
Dimensions (W / H / D)	30.2 x 10.6 x 10.2 / 767 x 270 x 260		in / mm
Storage temperature range	-13 ~ 140 / -25 ~ 60		°F / °C
Operating temperature range	-4 ~ 131 / -20 ~ 55		°F / °C
Relative humidity range	5% ~ 95%		
Max. operating altitude	13123 / 4000		ft / m
Cooling	Natural convection		
System enclosure type	Type 4X		
Installation method	Floor standing / Wall-mounted		
Standard Compliance			
Certifications	UL 1973, UL 1998, UL 9540, UL9540 A, UN 38.3, CP 65, FCC Part 15 Class B		

1. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life.

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