

ALL-IN-ONE
Battery & Inverter Solution



WHOLE HOME
Battery & Inverter Solution



Redefine the way you consume energy and take control of your power, promoting efficiency and contributing to a more sustainable future.

Power Sonic Pulse is an all-encompassing battery energy storage system that seamlessly integrates with every aspect of daily life, empowering individuals to achieve grid independence while meeting all their energy demands. Its modular design allows you to customize the configuration to perfectly match your energy needs, providing a sophisticated and adaptable solution for various environments. Whether you have a solar system or are grid dependent, Pulse serves as reliable backup power, ensuring seamless, uninterrupted operation of electrical devices even in the face of an outage.

Beyond its role as backup power, Pulse functions as an intelligent battery that can redefine your daily energy habits and lead to significant cost savings. With Pulse, you have the power to choose when to utilize stored energy, sell excess energy back to the grid, and more, revolutionizing your approach to energy management and consumption on a daily basis.

PULSE ALL-IN-ONE

All-In-One Battery & Inverter
PULSE-AIO-5K, PULSE-AIO-10K, PULSE-AIO-15K



GENERAL	PULSE-AIO-5K	PULSE-AIO-10K	PULSE-AIO-15K
Battery Module	1 Battery	2 Batteries	3 Batteries
Battery Energy Capacity	5.12kWh	10.24kWh	15.36kWh
Run Time (Fridge/Freezer @ 500W Load)	~ 10 hours	~ 20 hours	~ 30 hours
Battery Weight	115lbs	230lbs	345lbs
Battery Dimensions (D x W x H)	6.5 x 23.6 x 16.5in	6.5 x 23.6 x 36.2in	6.5 x 23.6 x 52.8in
Battery Design Lifespan	6000 Cycles at 80% DoD*	6000 Cycles at 80% DoD*	6000 Cycles at 80% DoD*
Battery Working Voltage Range	44.8 - 57.6V	44.8 - 57.6V	44.8 - 57.6V
Battery Type	LiFePO4	LiFePO4	LiFePO4
Inverter Weight	50lbs	50lbs	50lbs
Inverter Dimensions (D x W x H)	6.5 x 23.6 x 16.5in	6.5 x 23.6 x 16.5in	6.5 x 23.6 x 16.5in
Inverter Design Lifespan	15 years	15 years	15 years
Input Frequency Range	50Hz / 60Hz (Automatically)	50Hz / 60Hz (Automatically)	50Hz / 60Hz (Automatically)
AC Design Voltage	Single Phase 120 VAC	Single Phase 120 VAC	Single Phase 120 VAC
Display	Color LCD	Color LCD	Color LCD
SOLAR CHARGE			
Maximum Output Power	5kW	5kW	5kW
Solar Charging Current Range	0 - 80A	0 - 80A	0 - 80A
Solar Operating Voltage Range	120 - 450V	120 - 450V	120 - 450V
AC CHARGE			
Maximum Charge Power	3.15kW	3.15kW	3.15kW
AC Charging Current Range	0 - 40A	0 - 40A	0 - 40A
AC OUTPUT			
Rated Output Power	5kW (Pure Sine)	5kW (Pure Sine)	5kW (Pure Sine)
Rated Output Current	42A	42A	42A
Transfer Switch	63A (<10ms)	63A (<10ms)	63A (<10ms)
CERTIFICATIONS & PROTECTIONS			
IP Rating	IP 20	IP 20	IP 20
Battery Certifications	UL 1973; UL 1642; CSA 22.2; IEC/EN 61000-6-2; IEC/EN 62619	UL 1973; UL 1642; CSA 22.2; IEC/EN 61000-6-2; IEC/EN 62619	UL 1973; UL 1642; CSA 22.2; IEC/EN 61000-6-2; IEC/EN 62619
Inverter Certifications	EN 61000; IEC/EN 62109-1; UL 1741; UN 38.3; CSA C22.2 NO.107.1	EN 61000; IEC/EN 62109-1; UL 1741; UN 38.3; CSA C22.2 NO.107.1	EN 61000; IEC/EN 62109-1; UL 1741; UN 38.3; CSA C22.2 NO.107.1

*Depth of Discharge

To ensure safe and efficient operation, always refer to the latest edition of the datasheets, as published on our website.
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PULSE WHOLE HOME

Whole Home Battery & Inverter
PULSE-INV-12K-LXP and PULSE-ESS-5K



GENERAL	12kW / 5kWh	12kW / 25kWh	12kW / 75kWh
Battery Module	1 Battery	5 Batteries	15 Batteries
Battery Energy Capacity	5.12kWh	25.6kWh	76.8kWh
Run Time (US avg 30kWh)	~ 4 hours	~ 1 Day	~ 3 Days
Battery Weight	119lbs	595lbs	1785lbs
Battery Dimensions (D x W x H)	6.5 x 17.3 x 23.6in	6.5 x 17.3 x 23.6in	6.5 x 17.3 x 23.6in
Battery Design Lifespan	6000 Cycles at 80% DoD*	6000 Cycles at 80% DoD*	6000 Cycles at 80% DoD*
Battery Working Voltage Range	44.8 – 57.6V	44.8 – 57.6V	44.8 – 57.6V
Battery Type	LiFePO4	LiFePO4	LiFePO4
Inverter Weight	96.8lbs	96.8lbs	96.8lbs
Inverter Dimensions (D x W x H)	11.2 x 20.5 x 34.2in	11.2 x 20.5 x 34.2in	11.2 x 20.5 x 34.2in
Inverter Design Lifespan	15 years	15 years	15 years
Input Frequency Range	55 – 60Hz	55 – 60Hz	55 – 60Hz
AC Design Voltage	Split Phase 120 / 240 VAC	Split Phase 120 / 240 VAC	Split Phase 120 / 240 VAC
Display	Color Touchscreen	Color Touchscreen	Color Touchscreen
Connectivity	WiFi	WiFi	WiFi
SOLAR CHARGE			
Maximum Output Power	18kW	18kW	18kW
Solar Charging Current Range	0 - 55A	0 - 55A	0 - 55A
Solar Operating Voltage Range	120 - 500V	120 - 500V	120 - 500V
AC CHARGE			
Maximum Charge Power	12.8kW	12.8kW	12.8kW
AC Charging Current Range	0 - 250A	0 - 250A	0 - 250A
Peak Output Voltage	60V	60V	60V
AC OUTPUT			
Rated Output Power	12kW (Pure Sine)	12kW (Pure Sine)	12kW (Pure Sine)
Rated Output Current	50A	50A	50A
Transfer Switch	200A <10ms	200A <10ms	200A <10ms
CERTIFICATIONS & PROTECTIONS			
IP Rating [Inverter // Battery]	IP65 // IP20	IP65 // IP20	IP65 // IP20
Battery Certifications	UL 1741: 2021; IEEE1547:2018 CSA C22.2#1071:2016; CSA 22.2#330:2017;	UL 1741: 2021; IEEE1547:2018 CSA C22.2#1071:2016; CSA 22.2#330:2017;	UL 1741: 2021; IEEE1547:2018 CSA C22.2#1071:2016; CSA 22.2#330:2017;
Inverter Certifications	HECO SRD; IEEE-1547.1:2020; CEC; FCC SDOC; NEC Section 690.12	HECO SRD; IEEE-1547.1:2020; CEC; FCC SDOC; NEC Section 690.12	HECO SRD; IEEE-1547.1:2020; CEC; FCC SDOC; NEC Section 690.12

*Depth of Discharge

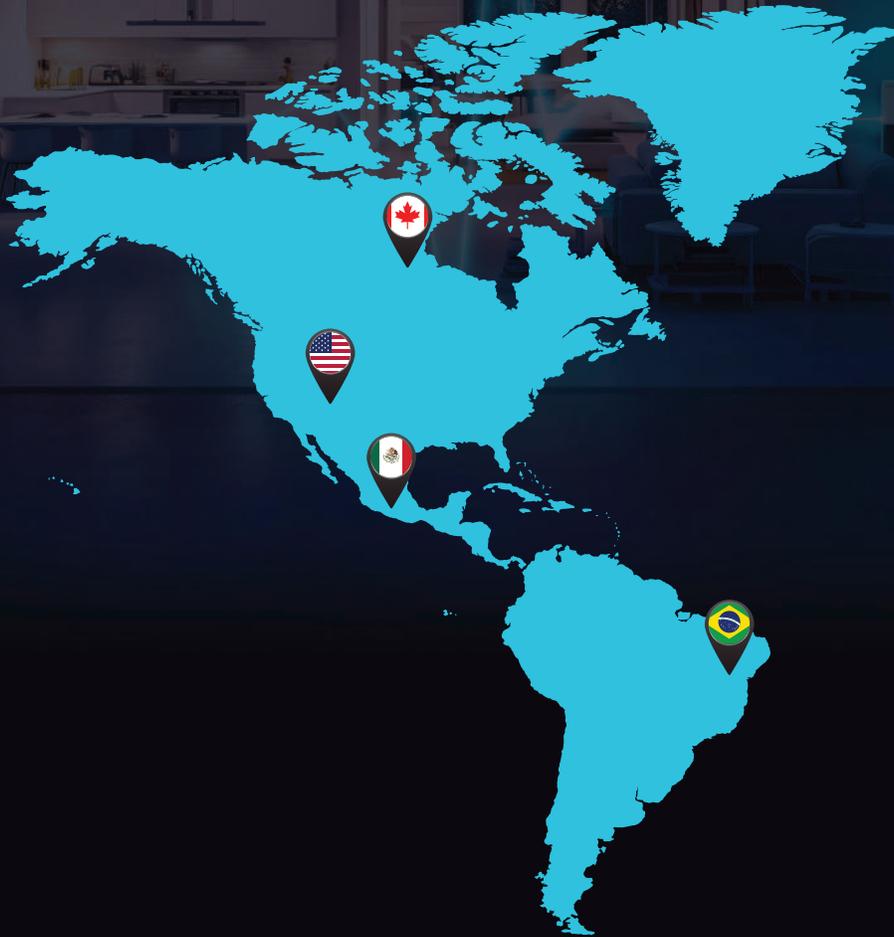
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