



INTRODUCTION TO THE PULSE



www.power-sonic-pulse.com

THE PULSE

The Future of Battery Energy Storage



POWER PS SONIC
TRUSTED BATTERY SOLUTIONS

INTRODUCTION TO THE PULSE AIO

All-In-One (AIO)



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PULSE AIO: TECHNICAL OVERVIEW

SINGLE PHASE 5KW:

(MAIN BREAKER PANEL)



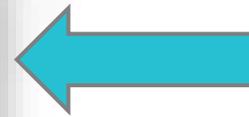
(40A SINGLE PHASE CIRCUIT TO PULSE)



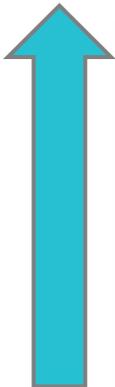
ALL-IN-ONE
INVERTER:
PS PULSE



(5KW SOLAR)



(200A Two Phase Main Service)



(GRID)



(SUB PANEL CRITICAL APPLIANCES)

PULSE AIO: DATASHEET DETAILS

Details



MODEL	5kW/5kWh	5kW/10kWh	5kW/15kWh
Battery Module	1	2	3
Battery Energy	5.12kWh	10.24kWh	15.36kWh
Battery Capacity	100Ah	200Ah	300Ah
Weight	83KGS	135KGS	187KGS
Dimensions L x D x H	600 x 165 x 920 mm	600 x 165 x 1340mm	600 x 165 x 1760mm
Battery Type	LiFePO4		
Battery Rated Voltage	51.2V		
Battery Working Voltage Range	44.8 ~ 57.6V		
Battery Design Life	6000 cycles at 80% DoD		
Inverter Design Life	15+ years		
Solar Charge Type	MPPT		
Maximum Output Power	5KW		
PV Charging Current Range	0 ~ 80A		
PV Operating Voltage Range	120 ~ 450V		
Maximum Charge Power	3150W		
AC Charging Current Range	0 ~ 40A		
Rated Input Voltage	110 / 120VAC		
Input Voltage Range	90 ~ 140VAC		
Rated Output Power	5KW		
Rated Input Current	42A		
Input Frequency Range	50Hz / 60Hz (automatically)		
Overload Current	45A		

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INTRODUCTION TO THE PULSE WHOLE HOME



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WHOLE HOME: TECHNICAL OVERVIEW

TWO PHASE 10/12KW:

(18KW SOLAR)



200A TWO-PHASE
GRID PASS THROUGH
OR 12KW TO HOME (OFF-GRID)



HYBRID
INVERTER

GET A HOUSE



(200A Two Phase Main Service)



(GRID)



(MODULAR PULSE: 15 kWh – 70 kWh)

WHOLE HOME: DATASHEET DETAILS

Details



MODEL	5kW/20kWh	5kW/40kWh	5kW/70kWh
Battery Module	4	8	14
Battery Energy	20.48kWh	40.96kWh	71.68kWh
Battery Capacity	400Ah	800Ah	1400Ah
Weight	216Kg	432Kg	756Kg
Whole Home Runtime (US avg 30kWh)	~16 hours	~1.5 days	~3 days
Battery Type	LiFePO4		
Battery Rated Voltage	51.2V		
Battery Working Voltage Range	44.8 ~ 57.6V		
Inverter Dimensions	520 x 870 x 285mm		
Inverter Weight	55Kg		
Battery Design Life	6000 cycles at 80% DOD		
Inverter Design Life	15+ years		
Solar Charge Type	MPPT		
Maximum Output Power	18KW		
PV Charging Current Range	0 ~ 55A		
PV Operating Voltage Range	120 ~ 600V		
Maximum Charge Power	12000W		
AC Charging Current Range	0 ~ 250A		
Rated Input Voltage	120 / 240VAC		
Rated Output Power	12KW		
Overload Current	50A		
Transfer Switch	200A		

POWERSONIC
TRUSTED BATTERY SOLUTIONS

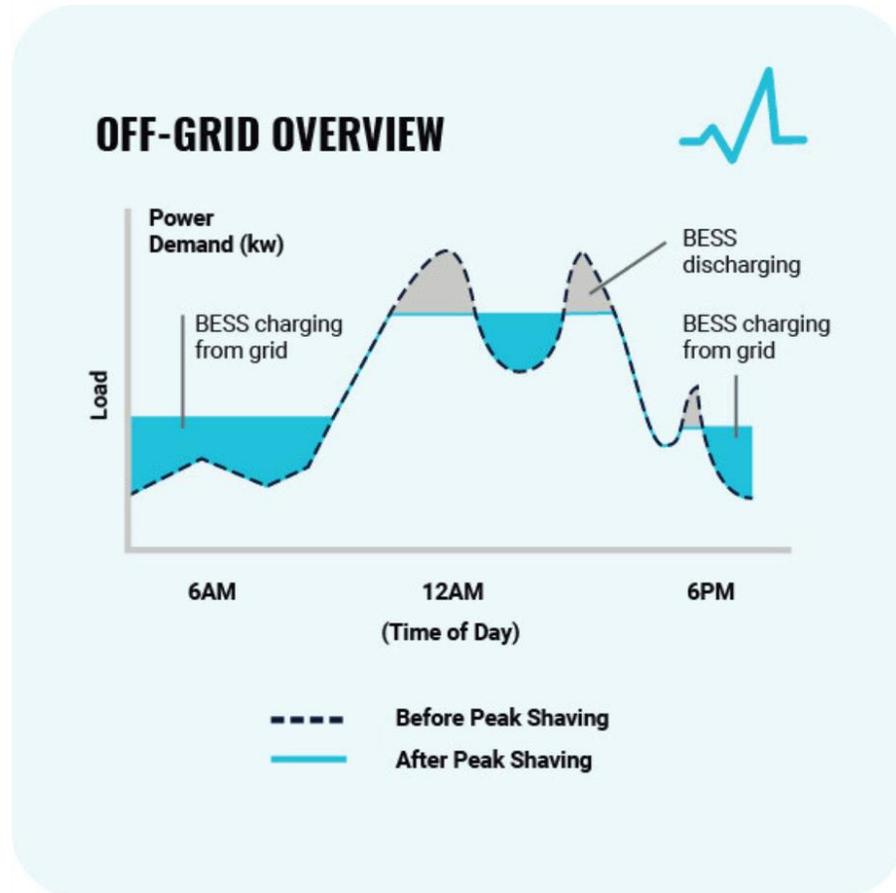
PULSE ENERGY STORAGE SOLUTIONS



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PEAK SHAVING/LOAD SHIFTING

FAB of Whole Home Pulse

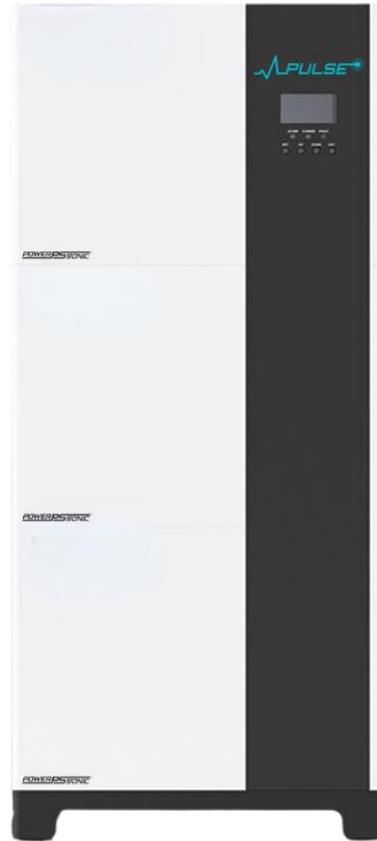


- Charge batteries from the grid during off-peak times without increase in demand charge
- Use stored energy to power circuits when there is usually peak demand
- Lessens volatility and flattens the load profile during highest charges of the day and charging batteries again during evening/low demand times
- Example: with EV chargers, a battery can reduce demand charges and increase output power enabling fast charging in areas with limited to no grid supply

OPTIMIZED INSTALLATION FOR APPLICATION

Indoor Stackable

- All-In-One system intended for home, office, or RV
- Eliminates power loss to critical circuits and appliances
- Easy assembly and installation



Universal Wall Mount

- Modular system intended for whole home
- Continuous power regardless of grid availability
- Optimizes energy use for grid independence



COMMERCIAL INSTALLER FOCUS



FEATURE

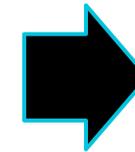
ADVANTAGE

BENEFIT

All-in-one energy storage system



Plug & play is an easier installation process vs. conventional system installation

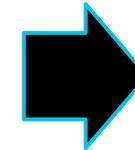


Saves time on installation, allowing technicians to install more systems in one working day

Modular with expandable capacity



Allows installation to any existing system

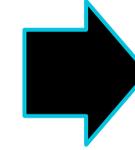


Increases the size of the installer market and opportunity to generate more revenue

15-year inverter service life
6000 cycle battery life



Reliable technology from a trusted brand



Low risk of installer returning to the installation site

RESELLER/DISTRIBUTOR FOCUS



FEATURE

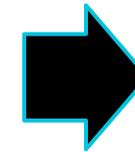
ADVANTAGE

BENEFIT

Exponential growth opportunity -
US average market CAGR > 20%



Early mover advantage in an
emerging market

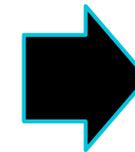


Incremental growth opportunities
for your business & customers

Modular design - able to offer
accessories &
additional batteries



Become known as the destination
for Power Sonic Pulse



Opportunity to retain new business
& further increase sales

Compliments your existing
portfolio



Opportunity to become a
destination for renewable energy
equipment.



Become a one-stop shop for all
product categories installers need
when entering the RESS market

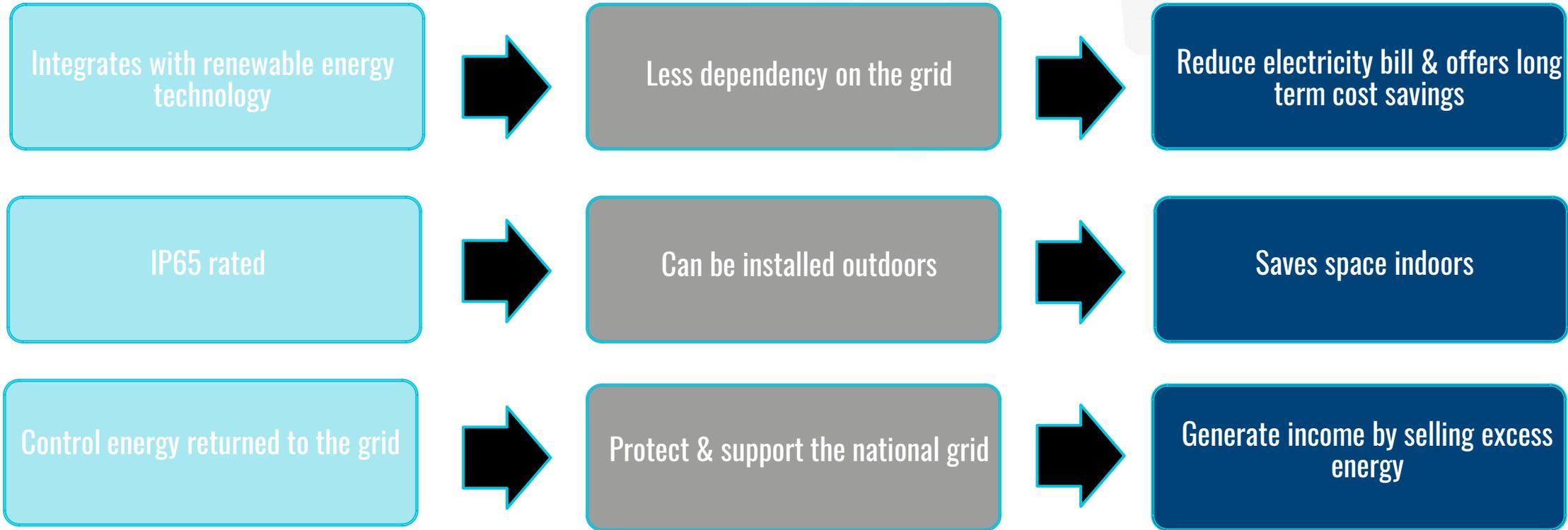
END USER FOCUS



FEATURE

ADVANTAGE

BENEFIT



POWER SONIC GLOBAL OPERATIONS:

CONTACT US DIRECTLY IF YOU LIKE

Power Sonic Exports To Over 100 Countries Globally. No matter where you are in the world Power Sonic will deliver your trusted battery solution.



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