

WATTSONIC SINGLE PHASE AC BATTERY

☀ Smart AC Battery

🔋 1500W-1.5KWH

🔋 1500W-2.5KWH



Wattsonic Smart AC Battery

>> Installation

All necessary components included, Plug in and play, one man installation.

>> LiFePO4

Wattsonic superior LiFePO4 battery technology, 10,000 cycles with 10 years standard warranty, with great safety running performance.

>> Solar

Seamlessly retrofit existed solar system with battery storage, with also optional direct solar input.

>> Monitoring&Management

Remote monitoring and management with web portal and APP for excellent operation experiences as well as remote service support, all at a glance.

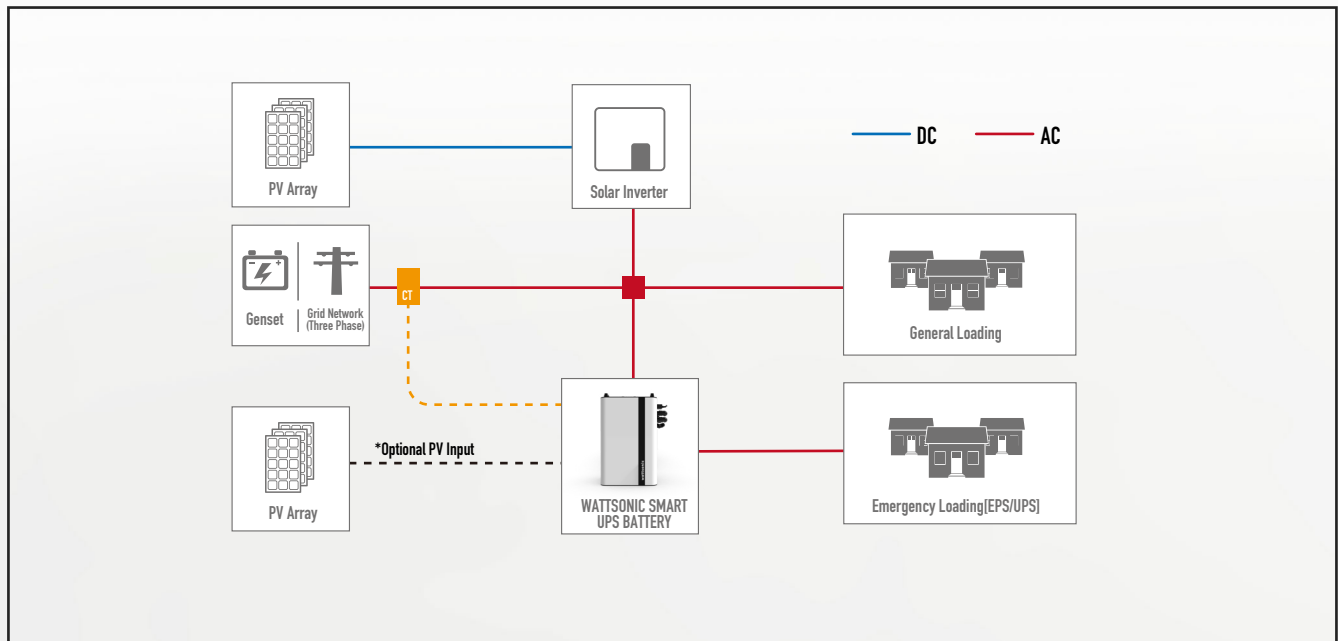


>> Simple

WiFi communication, free from complicated COM cables wiring, also enable easy multi AC batteries parallel in one system.

>> UPS

Automatically switch over within 15ms during outage, always power on.



✧ APP Local Setting & Remote Monitoring



Wattsonic Smart UPS Battery

Technical Specifications

DEVICE SHORT NAME	GOLZA-1500W-1.5KWH	GOLZA-1500W-2.5KWH
PV STRING INPUT(DC)(Optional)		
Max. DC Input Power [W]	2000W	2000W
MPPT Voltage Range [V]	100V~350V	100V~350V
Max. Input Current [A]	13.5A	13.5A
NO. of MPP Trackers	1	1
BATTERY DATASHEET		
Battery Capacity [kWh]	1.5kWh(51.2V/30AH)	2.5kWh(51.2V/50Ah)
Depth of Discharge (Useable Capacity)	90%	90%
Chemistry	Lithium Iron Phosphate [LiFePO4]	Lithium Iron Phosphate [LiFePO4]
Cell Safety Certifications	UL1642/UL1973/IEC62619	UL1642/UL1973/IEC62619
Roundtrip Cells Efficiency	95%	95%
GRID AC OUTPUT(ON-GRID)[FUNCTION DISABLED AS DEFAULT]		
Nominal Apparent Power Output to Utility Grid [VA]	1500VA	1500VA
Nominal Apparent Power from Utility Grid [VA]	1500VA	1500VA
Nominal Output Voltage [V]	230V/185V~265V	230V/185V~265V
Nominal Output Frequency [Hz]	50/60Hz	50/60Hz
Max. AC Current From Utility Grid [A]	6.5A	6.5A
Output Power Factor	>0.99/-0.9~+0.9 Adjustable	>0.99/-0.9~+0.9 Adjustable
Output THDi [@Nominal Output]	<3%	<3%
EPS AC OUTPUT DATA(BACK-UP)		
Nominal Output Apparent Power [VA]	1500VA	1500VA
Peak Output Apparent Power [VA]	1500VA	2000VA
Max. Output Current [A]	6.5A	10.0A
Nominal Output Voltage [V]	230V	230V
Nominal Output Frequency [Hz]	50/60Hz	50/60Hz
Output THDi [@Linear Load]	<3%	<3%
EFFICIENCY		
Peak Inverter Efficiency	93.5%	93.5%
Standby Power Loss [W]	<7W	<7W
Topology	High Frequency Isolation	High Frequency Isolation
PROTECTION		
Anti-islanding Protection	Yes	Yes
PV String Input Reverse Polarity Protection	Yes	Yes
Output Over Current Protection	Yes	Yes
Output Short Circuit Protection	Yes	Yes
Output Over Voltage Protection	Yes	Yes
	Yes	Yes
GENERAL DATA		
DC Switch	Yes	Yes
Dimensions(W*H*D) [mm]	450*380*210	450*380*210
Net Weight [kg]	25kg	40kg
Protection Degree	IP 21	IP 21
Mounting Method	Free Stand	Free Stand
Operation Temperature Range [°C]	-20°C~60°C(45°C derating)	-20°C~60°C(45°C derating)
Noise Emission (Typical) [dB]	<25dB	<25dB
User Interface	LCD Display/APP/Web Portal	LCD Display/APP/Web Portal
Compatibility	Any regular string inverter/Micro Inverter brands	Any regular string inverter/Micro Inverter brands
Communication with CT	WLAN Cable	WLAN Cable
Communication with Portal	WiFi/Optional GPRS/WLAN Cable	WiFi/Optional GPRS/WLAN Cable
Running Model	Maximum solar self-consumption, time-of-use bill management(peak shaving), purely off-grid, UPS power backup	
Cooling Concept	Natural Convection	Natural Convection
CERTIFICATIONS& STANDARDS		
Grid Regulation	TBD	
Safety Regulation	IEC/EN62109-1&2, IEC62040-1	
EMC Standard	EN61000-6-1/2/3/4, EN61000-4-16/18/29	
Warranty	5-10 years standard warranty(depend on territory)	