

Granite

Residential Off-grid Energy Storage System Granite Series (PWM)

Granite 500B-P1~Granite 1000B-P1



ZONERGY



Smart charging management
with PWM controller effectively
protects the battery.



The inverter output is standard
220 V / 50 Hz AC.



LED + LCD display enables
real-time display of operation,
fault and battery status.

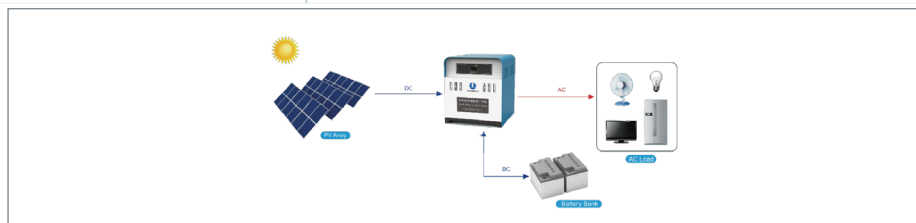


Complete protection
functions of the product
secure a high system stability.

Granite 500B-P1~Granite 1000B-P1

Technical parameters

Technical parameters:	Granite 500B-P1	Granite 1000B-P1
	Solar controller	
Input voltage allowed (VDC)	24 ~ 60	
Maximum input current allowed (A)	20	30
	Battery	
Battery type	lead acid or colloid	
Battery under-voltage protection point (VDC)	21.6	
Battery under-voltage protection recovery point (VDC)	26	
Battery over-voltage protection point (VDC)	32	
Battery over-voltage protection recovery point (VDC)	30	
Battery floating charge voltage (VDC)	28	
Battery overcharge protection point (VDC)	29	
Battery overcharge protection recovery point (VDC)	26.8	
	AC output	
Output power (VA)	500/400 W	1000/800 W
Output waveform	sine wave	
Rated AC output voltage (VAC)	220±3%	
Rated AC output frequency (Hz)	50±0.1	
Inverter efficiency	>85%	
Dynamic response time (ms)	<60	
Overload protection (s)	100 ~ 125% (600), 125 ~ 150% (60), 150 ~ 200% (10)	
Short circuit protection (s)	<0.1	
Stand-by power consumption (W)	<12	<18
	Display function	
Status	inverter indication, over voltage and under voltage indication, fault indication	
Numerical display LCD	output voltage frequency display, battery voltage and percentage display, load voltage and current display, solar energy input voltage display, and charging current display	
	Other parameters	
Protection function	battery over-voltage protection, under-voltage protection, over-temperature protection,output over-load protection, load short circuit protection, etc.	
Noise (dB)	≤35	
Working environment	-20~50 °C	
Relative Humidity allowed	≤95% non condensing	
Altitude (m)	≤3000	
Cooling mode	Smart air cooling	
Degree of protection	IP20 (indoor)	
Dimension (mm)	560*442*501	
Package (mm)	620*500*560	
Weight (kg)	23 (battery excluded)	25 (battery excluded)
Certification	CQC	



Note: Technical parameters listed hereunder are for reference only. Actual parameters shall be subject to products shipped.