

Granite

Off-grid Energy Storage Inverter Granite Series
Granite 3000L-M1



Fully digital control design
Integrating MPPT solar
controller and inverter



Pure sine wave output
Super strong impact resistance



LED+LCD Real-time monitoring
of inverter operation status and
various operating parameters

Technical parameters:	Granite 3000L-M1
Basic parameters	
Rated power	3000 W
System voltage	48 V
Output voltage	220 V $\pm 5\%$
Output frequency	50/60 Hz $\pm 1\%$
Conversion efficiency	$\geq 85\%$
Overload capacity	100~120% 10min; 120%~150% 1min; >150% 10s
Output waveform	Pure Sine Wave
Solar energy control	
Charging mode	MPPT
Maximum power	3360 W
Maximum charging current	60 A
Photovoltaic input voltage range	70~150 VDC
Maximum input voltage of photovoltaic system	170 VDC
Other parameters	
Display method	LCD + LED
Display contents	Indication of PV input voltage, PV charging current, battery voltage, inverter output voltage, load capacity, working status, etc.
Cooling mode	Fan cooling
Communication mode	RS485
Noise level	<60 (1 m)
Sea level for use	≤ 3000 m When exceeding 3,000 meters, it needs to be derated according to the standard for use
Working temperature	-20~55 $^{\circ}\text{C}$
Storage temperature	-15~70 $^{\circ}\text{C}$
Humidity range	0~90%RH Non-condensing
Authentication	CQC Golden Sun Certificate
Weight	26 kg
Dimension (W*H*D)	500*330*198 mm
Battery parameters	
Modules Model	Limestone 7.5H-P
Battery Chemistry	LFP (LiFePO4)
Modules capacity	7.68 kWh
Nominal voltage	51.2 V
Operating voltage range	43.2~58.4 V
Standard Charging/discharging Power	100 A
Weight	67.5 kg
Dimension (W*H*D)	600*430*270 mm