

# Granite

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



ZONERGY



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
<b>Basic parameters</b>	
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
<b>Solar energy control</b>	
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
<b>Other parameters</b>	
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	$\leq$ 3000 m When exceeding 3,000 meters, it needs to be derated according to the standard for use
Working temperature	-20~55 °C
Storage temperature	-15~70 °C
Humidity range	0~90%RH Non-condensing
Authentication	CQC Golden Sun Certificate