

ME 3000SP

3000 W

AC-COUPLED ENERGY STORAGE INVERTER



Product advantages

- Various operational modes available
- Smart fanless cooling design
- Flexible configuration, allowing both lead-acid and lithium batteries
- LCD+LED – user friendly interface
- Smart battery energy management system.
- Compatible with other brands of inverter
- IP65 design for outdoor



Model	ME 3000SP
Battery parameters	
Battery type ^[1]	Lithium-ion, Lead-acid
Rated battery voltage	48V
Battery voltage range	42-58V
Max. charging current	65A
Max. charging current range	0-65A(programmable)
Charging curve (Lithium-ion)	Self-adaption to BMS
Max. discharging current	70A
Electronic protection	OC/PT/OVP
Short circuit protection	Fuse (100A)
AC output (on-grid)	
Rated power	3000W
Max. output power	3000VA
Rated output current	13A
Max. output current	13A
AC voltage range	180-270V
Grid frequency range	44-55 Hz/55-65Hz
Output THDI	<3%
Power factor	1 default (±0.8 adjustable)
Connection phase	Single
Inrush current	0.8A/1µs
Max. output fault current	100A/1µs
Max. output overcurrent protection	13A
System parameters	
Max. charging/discharging efficiency	>95%
Standby losses	< 5W
Topology	High frequency isolated transformer
Degree of protection	IP65
Safety protection	Anti-islanding, RCMU, ground fault monitoring
Communication	RS485/CAN/WiFi Optional, Ethernet/4G
Surge protection	AC Type III
Environmental	
Ambient temperature range	-25°C~60°C (above 45°C derating)
Allowable relative humidity range	0-100%
Max. operating altitude	2000 m
Current sensor connection	External
AC output (off-grid)	
Rated power	3000VA
Rated voltage, frequency	230V, 50/60Hz
Rated current	13A
Output THDI (@Linear load)	< 3%
Switch time	< 3s
General parameters	
Weight	16kg
Cooling	Natural
Dimension	358*543.2*171.7mm
Display	LCD
Standard	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, IEC 62109-1/2, IEC62040-1, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21, EN 50549, G03/G98, UTE C15-712-1

[1] Please refer to document "SOFAR Inverter Model compatible battery list"
 *All specifications are subject to change without notice.