

## ME 3000SP

3000 W

SOFAR

### AC-COUPLED ENERGY STORAGE INVERTER

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#### 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



**Battery Parameters**

Battery type	Lithium-ion, Lead-acid
Rated battery voltage	48V
Battery voltage range	42-58V
Max. charging current	65A
Charging current range	0~65A (programmable)
Max. discharging current	70A
Electronic protection	OCP OTP OVP
Short circuit protection	Fuse (100 A)

**AC Parameters**

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 / 55~65 Hz
THDi	< 3%
Power factor	1 default (+/-0.8 adjustable)
Connection phase	Single
Current (inrush)	0.8A / 1us
Max. output fault current	100A / 1us
Max. output over current protection	13A

**System Parameters**

Max. charging efficiency	>95%
Max. 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, WiFi / Ethernet, CAN2.0
SPD protection	PV: Type II, 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

**Emergency Power Supply**

EPS rated power	3000VA
EPS rated voltage, frequency	230V, 50 / 60 Hz
EPS rated current	13A
THDv	< 3%
Switch time	< 3s

**General Data**

Weight	16kg
Cooling	Natural
Dimension (W*H*D)	358*543.2*171.7mm
Display	LCD

**Standard**

EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety standards	IEC 62109-1 / 2, IEC62040-1
Grid standards	AS / NZS 62040, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21, EN 50549, G83 / G98, UTE C15-712-1

\* All specifications are subject to change without notice.