

# 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
<b>Battery parameters</b>	
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	OCP OTP OVP
Short circuit protection	Fuse (100A)
<b>AC output (on-grid)</b>	
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
<b>System parameters</b>	
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
<b>Environmental</b>	
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
<b>AC output (off-grid)</b>	
Rated power	3000VA
Rated voltage, frequency	230V, 50/60Hz
Rated current	13A
Output THDv (@Linear load)	< 3%
Switch time	< 3s
<b>General parameters</b>	
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, G83/C98, UTE C15-712-1

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