

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



Datasheet

ME 3000SP

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.