

**ME**

3000-SP

3000 W

AC-COUPLED ENERGY STORAGE INVERTER

- Various operational mode available
- Flexible configuration of lead acid or lithium battery
- LCD+LED – user friendly interface
- Compatible with other brands of inverter
- IP65 design for outdoor
- Integrated fanless self-recognition heat dissipation design
- Smart battery energy management system

Datasheet

ME 3000-SP

Battery Parameters	
Battery type	Lithium-ion, Lead-acid
Nominal battery voltage	48V
Battery voltage range	42-58V
Recommended battery capacity	200Ah (100...500Ah optional)
Recommended storage capacity	9.6kWh
Max. charging current	60A
Charging current range	0-60A (programmable)
Charging curve	3-Stage adaptive with maintenance
Max. discharging current	60A
Electronic protection	OCP OTP OVP
Short circuit protection	Fuse (100A)
Discharge times (hour)	Po=1kVA9.6h, Po=3kVA3.2h
Depth of discharge	Lithium-ion: 0-80% DOD adjustable, Lead-acid: 0-50% DOD adjustable
AC Parameters	
Max. output power	3kVA
Rated input / output voltage	230V
Max. input / output current	13A
AC input / voltage range	180V-270V
Grid frequency range	44...55Hz / 54...66Hz
THD	< 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 / GPRS, CAN2.0
SPD protection	III
Environmental	
Ambient temperature range	-25°C...+60°C (above 45°C derating)
Allowable relative humidity range	0...100%
Protective class	Class I
Max. operating altitude	2000m
Current sensor connection	External
Emergency Power Supply	
EPS rated power	3000VA
EPS rated voltage, frequency	230V, 50 / 60Hz
EPS rated current	13A
Total harmonic distortion	< 3%
Switch time	< 3s
General Data	
Noise	< 25dB
Weight	16kg
Cooling	Natural
Dimension (W*H*D)	530*360*173mm
Display	LCD display
Warranty	5 years (optional: extension to 10 years)
Standard	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety standards	IEC62109-1 / 2, IEC62040-1
Grid standards	AS / NZS 4777, AS / NZS 62040, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21, EN50549, G83 / G98, UTE C15-712-1