



ME

## 3000-SP

3000

### AC-COUPLED ENERGY STORAGE INVERTER

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

## Datasheet

## ME 3000-SP

Battery Parameters	
Battery type	Lithium-ion, Lead-acid
Rated battery voltage (V)	48
Battery voltage range (V)	42 – 58
Recommended battery capacity (Ah)	200 (100 – 500 optional)
Recommended storage capacity (kWh)	9.6
Max. charging current (A)	60
Charging current range (A)	0 – 60 (programmable)
Charging curve	3-Stage adaptive with maintenance
Max. discharging current (A)	60
Electronic protection	OCP OTP OVP
Short circuit protection	Fuse (100 A)
Discharge times (hour)	Po=1 kVA 9.6 H, Po=3 kVA 3.2h
Depth of discharge	Lithium-ion: 0 – 85% DOD adjustable, Lead-acid: 0 – 90% DOD adjustable
AC Parameters	
Max. output power (W)	3000
Max. output power (VA)	3000
Rated output current (A)	13
Max. output current (A)	13
AC voltage range (V)	180 – 270
Grid frequency range	45 – 55 Hz / 55 – 65 Hz
THD	< 3%
Power factor	1 default (+/-0.8 adjustable)
Connection phase	Single
Current (inrush) (A)	0.8 / 1us
Max. output fault current (A)	100 / 1us
Max. output overcurrent protection (A)	13
System Parameters	
Max. charging efficiency	>95%
Max. discharging efficiency	>95%
Standby losses (W)	< 5
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	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	2000 m
Current sensor connection	External
Emergency Power Supply	
EPS rated power (VA)	3000
EPS rated voltage (V), frequency	230, 50 / 60 Hz
EPS rated current (A)	13
Total harmonic distortion	< 3%
Switch time	< 3 s
General Data	
Noise	<25 dB
Weight (kg)	16
Cooling	Natural
Dimension (mm)	358*543.2*171.7
Display	LCD display
Warranty	5 years, optional: up to 20 years
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 4777, 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