



ME 3000SP

3KW AC Coupled energy storage inverter



A variety of work modes are optional



Outdoor IP65 design



Compatible with other brands of inverter



Integrated fanless self-recognition heat dissipation design



LCD+LED – human friendly-machine interface



Smart battery energy management system



Flexible configuration of lead acid or lithium battery



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Datasheet	ME 3000SP
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	65A
Charging current range	0-65A (Programmable)
Charging curve	3-Stage adaptive with maintenance
Max. Discharging current	70A
Electronic protection	OCP OTP OVP
Short circuit protection	Fuse (100A)
Discharge times (Hour)	P0=18VA/9.6h P0=36VA/3.2h
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/ 1s
Maximum output fault current	100A/ 1s
Maximum output over-current protection	13A
System Parameters	
Max. Charging efficiency	>95%
Max. Discharging efficiency	>95%
Standby losses	<3W
Topology	High frequency isolated transformer
Degree of protection	IP65
Safety protection	Anti-islanding, RCMU, Ground fault monitoring
Communication	RS485, Wi-Fi/Ethernet/GPRS, CAN2.0
Environmental	
Ambient temperature range	-25℃ ~ +40℃ (Above 45℃ 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	<35dB
Weight	16kg
Cooling	Natural
Dimension (W*H*D)	530*360*173mm
Display	LCD
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, EN 61000-3-2, EN 61000-3-3
Safety standards	IEC62109-1/2, IEC62040-1
Grid standards	AS/NZS 4777, AS/NZS 6390, VDE V0124-100, V0126-1-1, VDE-AR-N 4105, CEI 0-21, EN50438/EN50549, GB3798, ULTE C15-712-1

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