

INVERSOR HÍBRIDO

5K ... 20KTL-3PH

UTILIZE O SOL PARA POUPAR NA SUA FACTURA DE ELETRICIDADE.

4MPPT entrada, configuração mais flexível

Modo APF, melhor qualidade de energia da rede

Padrões de trabalho diversificados e ganhos rápidos

Controlo digital completo, maior precisão de controlo

Sistemas paralelos múltiplos, soluções de sistemas mais flexíveis

A saída fora da rede pode ser ligada a uma carga irregular,
a saída separada trifásica é suportada



Datasheet	ME 5KTL-3PH	ME 6KTL-3PH	ME 8KTL-3PH	ME 10KTL-3PH	ME 15KTL-3PH	ME 20KTL-3PH
Battery Input Data						
Battery type	Lithium-ion & Lead-acid					
No. of battery input	1			2		
Battery voltage range (V)	180 – 800					
Battery voltage range for full load (V)	200 – 800	240 – 800	320 – 800	200 – 800	300 – 800	400 – 800
Rated charging / discharging power (W)	5000	6000	8000	10000 (5000/5000)	15000 (7500/7500)	20000 (10000/10000)
Max. charging / discharging current (A)	25			50 (25 / 25)		
Peak charging / discharging current, duration (A, s)	40, 60			70 (35 / 35), 60		
Charging strategy for battery	Self-adaptation to BMS					
Communication interfaces	CAN (RS485)					
AC Output Data (On-grid)						
Rated AC power (W)	5000	6000	8000	10000	15000	20000
Max. AC power output to utility grid (VA)	5500	6600	8800	11000	16500	22000
Max. AC power from utility grid (VA)	10000	12000	16000	20000	30000	40000
Rated output current (A)	7.2	8.7	11.6	14.5	21.7	29
Max. AC current output to utility grid (A)	8	10	13	16	24	32
Max. AC current from utility grid (A)	15	17	24	29	44	58
Rated grid voltage	3 / N / PE, 230 / 400					
Grid voltage range	184 – 276 Vac					
Rated grid frequency	50 / 60 Hz					
Grid frequency range	45 – 55 Hz / 55 – 65 Hz					
Output power factor	1 default (+/-0.8 adjustable)					
Output THDi (@Rated output)	< 3%					
AC Output Data (Back-up)						
Rated output power (W)	5000	6000	8000	10000	15000	20000
Max. output power (VA)	5500	6600	8800	11000	16500	22000
Peak output power, duration (VA, s)	10000, 60	12000, 60	16000, 60	20000, 60	22000, 60	
Rated output current (A)	7.2	8.7	11.6	14.5	21.7	29
Max. output current (A)	8	10	13	16	24	32
Peak output current, duration (A, s)	15, 60	18, 60	24, 60	30, 60	32, 60	
Rated output voltage	3 / N / PE, 230 / 400					
Rated output frequency	50 / 60 Hz					
Output THDv (@Symmetrical load)	< 3%					
Switch time	<10 ms					

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Efficiency		
Max. discharge efficiency	97.6%	97.8%
Max. charge efficiency	97.6%	97.8%
Protection		
Output overcurrent protection	Yes	
Output overvoltage protection	Yes	
Anti-islanding protection	Yes	
Residual current detection	Yes	
Surge protection level	AC: Type II, DC: Type III	
Battery reverse protection	Yes	
Features		
DC terminal	MC4	
Grid AC terminal	5P Connector	
Back-up AC terminal	5P Connector	
Display	LCD	
Monitoring interfaces	RS485 / WiFi / Bluetooth	
Parallel operation	Yes	
General Data		
Dimension (mm)	586.6*515*261.2	
Weight (kg)	30	34
Inverter topology	Transformerless	
Standby self consumption (W)	< 15	
Operating temperature range	-30°C...60°C	
Relative humidity	0 – 100%	
Noise	< 45 dB	
Operating altitude	< 4000 m	
Cooling	Natural	Forced airflow
Protection degree	IP65	
Warranty	Standard 5 years, optional: up to 20 years	
Certifications & Standards		
EMC	EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12, EN 61000-6-2, EN 61000-6-3	
Safety	IEC 62109-1, IEC 62109-2, IEC 62040-1	
Grid	VDE V 0124-100, V0126-1-1, VDE-AR-N 4105, CEI 0-21 / CEI 0-16, EN50438 / EN 50549, G83 / G59 / G98 / G99, UTE C15-712-1, UNE206 007-1	

ME 5KTL / 6KTL / 8KTL / 10KTL / 15KTL / 20KTL-3PH_EN_202206

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