

INVERTER IBRIDI TRIPHASE



PHOTOVOLTAIC FIELD

		ME-INH3P6K	ME-INH3P8K	ME-INH3P 10K	ME-INH*P15K	ME-INH*P20K	ME-INH3P30K
Maximum DC input power	[kW]	9.0	12	15.0	225	30.0	45.0
Maximum DC input voltage	[V]				1000		
Nominal DC input voltage	[V]				620		
Full MPPT voltage range	[V]				150-850		
MPPT voltage range	[V]	250-850	300-850			500-850	
Start-up voltage	[V]				160		
Maximum DC input current	[A]		20x 2		20+32	32 x 2	40 x 2
Number of MPPT / Number of strings			2		2/3	2/4	2/4

BATTERY INPUT

Voltage range	[V]	80-600		120-650		150-800	
Maximum charging/discharging current	[A]			50			
Maximum charging/discharging power	[kW]	6	8	10	15	20	30

AC OUTPUT

Nominal AC power (mains, backup)	[kW],[kVA]	6	8	10	15	20	30
Nominal mains voltage (mains, backup)	[V]				230 / 400	§§§	
Nominal mains frequency (mains, backup)	[Hz]				50 / 60		

MAINS

Maximum AC power (input/output)	[kVA]	9 / 6.6	12 / 8.8	15 / 11	22.5 / 16.5	30 / 22	45 / 33
Maximum output current	[A]	10.5	13.5	17	27	32	48
Power factor cos ϕ , adjustable		1 (from -0.8 to 0.8)					

BACK-UP

Nominal output current	[A]	8.7	11.6	14.5	21.8	29	43.5
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Peak output power: 110% of rated power, 60 s; Switching time < 0.010 s

EFFICIENCY

European efficiency	[%]			97.5		97.8	98.1
Maximum efficiency	[%]	98	98.2	98.2	98.3	98.5	98.5
Battery charge/discharge efficiency	[%]				98		

PROTECTION

Protection functions: PV reverse polarity protection, overcurrent/overvoltage protection (AC/DC, Type 2), islanding detection (anti-islanding protection), AC short-circuit protection, residual current detection, ground fault monitoring, grid monitoring; Enclosure protection rating: IP65

GENERAL DATA

Dimensions (W x H x D)	[mm]				558 x 535 x 260		
Weight	[kg]		29				36
Relative humidity	[%]				0 – 100		
Operating temperature range	[°C]				From -25 to 60		
Noise level	[dB]				< 40		
Standby consumption	[W]				< 5		

Mounting type: Wall flange Topology: Transformerless; Cooling: Intelligent fan.

Additional functions					Output voltage THD: < 3%		
Display and communication interfaces					LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G		
Certifications and approvals		NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105*, VDE0126*,			IEC62109-2		IEC62109-1,
EMC (Electromagnetic compatibility)					EN61000-6-2, EN61000-6-3		