

INVERTER IBRIDI MONOPHASE



		ME-IN H1 P3 K1	ME-IN H1P4K	ME-INH1P5 K	ME-INH1P6K
PHOTOVOLTAIC FIELD					
Maximum input power	[kW]	4.5	6.0	7.5	9.0
Maximum input voltage	[V]			550	
Full MPPT voltage range	[V]			80-500	
MPPT voltage range	[V]	170-500	120-500	150-500	170-500
Nominal voltage	[V]			360	
Starting voltage	[V]			100	
Maximum input current per string	[A]			18.5	
Maximum short-circuit current	[A]			26	
Number of MPPT/ Number of strings		1 / 1	2 / 2	2 / 2	2 / 2
BATTERY INPUT					
Maximum charging/discharging power	[W]	3.0	4.0	5.0	6.0
Maximum charging/discharging current	[A]	80	120	120	120
Nominal voltage	{V}			51.2	
Voltage range	[V]			40	
MAINS INPUT					
Maximum direct current	[A]	14.0	19.0	23.0	28.0
Maximum continuous power	[kVA]	3.0	4.0	5.0	6.0
Nominal current of the connection to the grid	[A]	13.7 / 13.1	18.2 / 17.4	22.8 / 21.8	27.3 / 26.1
Nominal mains voltage	[V]		From 198 to 242 @220 / From 207 to 253 @230		
Mains frequency (nominal)	[Hz]			50 / 60	
Power factor					
cos φ, adjustable				0.999 (adjustable from 0.8 inductive to 0.8 capacitive)	
AC OUTPUT					
Maximum direct current	[A]	14.0	19.0	23.0	28.0
Maximum continuous power	[kVA]	3.0	4.0	5.0	6.0
Maximum peak current*	[A]	20.5 / 19.6	27.3 / 26.1	34.1 / 32.7	41.0 / 39.2
Maximum peak power*	[kVA]	4.5	6	7.5	9.0
Nominal L-N voltage, nominal frequency			220/230 V, 50/60 Hz		
EFFICIENCY					
CEC efficiency				97.0	
Maximum efficiency				97.6	
PV to battery efficiency				98.1	
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, earth fault monitoring, insulation resistance detection, electric arc detection (PV arc detection), enclosure protection rating: IP65					
GENERAL DATA					
Dimensions (W x H x D, mm)			370 x 535 x 192		
Weight (kg)		18.5	20.5	20.5	20.5
Relative humidity				0 – 100	
Operating temperature range	[°C]			From -25 to 60	
Noise level	[dB]			< 25	
Standby consumption	[W]			< 10	
Other features				Mounting type: Wall flange, Topology: Transformerless, Cooling: Intelligent fan, Output voltage THD <3% SUNSPEC	
Communication with RSD				LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G	
Displays and communication interfaces				NRS097, G98, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2	
Certifications and approvals				EN61000-6-2, EN61000-6-3	
EMC (Electromagnetic compatibility)					