

	IM3	IM6
Battery input (DC)		
Voltage range ⁽¹⁾	40 ~ 450 V	
Maximum charge / discharge current	66 A	
Type of battery	Li-Ion LiHome ⁽²⁾	
Communication with ion-lithium batteries	CAN Bus 2.0	
PV input (DC)		
PV array maximum power	11.5 kWp	
MPP voltage range	125 ~ 480 V	
Maximum input voltage(3)	550 V	
Maximum input current (input 1 / input 2)	12 A / 12 A	
Number of MPPTs	2	
Number of inputs (input 1 / input 2)	1 / 1	
Grid input (AC)		
Rated voltage	230 V	
Voltage range	172 ~ 264 V	
Nominal Frequency	50 / 60 Hz	
Frequency range	40 ~ 70 Hz	
Network type	TT / TN	
Rated power	3 kW	6 kW
Max. temperature for rated power	40 oC	
Maximum current	13 Arms	26 Arms
Power factor	0 ~1	
Critical Load Output (AC)		
Power (25 oC) 30 min, 2 min, 3 s(4)	3,500 / 3,900 / 5,080 W	6,400 / 6,900 / 7,900 W
Maximum current	13 Arms	26 Arms
Rated voltage(5)	220 ~ 240 V	
Rated frequency(5)	50 / 60 Hz	
Power factor	-0.8 ~ 1 ~ 0.8	
Back-up function response time	12 ms	
Features		
Maximum efficiency	95.5%	96%
Euroefficiency	95.1%	95.2%
Cooling system		
Cooling system	Forced ventilation	
Air flow	45 m3/h	
Consumption in stand-by mode	< 10 W	
Operating temperature	-20 ~ +65 oC	
Relative humidity (non-condensing)	4 ~ 100 %	
Protection class	IP65	
Maximum altitude	2,000 m	
Marking	CE	
EMC and safety regulations	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12, EN 62109-1, EN62109-2, AS62040.1, FCC Part 15	
Grid connection standards	DIN V VDE V 0126-1-1, EN 50438, CEI 0-21, VDE-AR-N4105:2011-08, G59/3, G83/2, AS4777.2:2015, IEC 62116, IEC 61727, UNE 206007-1:2013, UNE 206006:2011, UNE 217001 IN:2015,NRS097-2-1, ABNT NBR 16149, ABNT NBR 16150, South African Grid code, P.O.12.2, G99, EN 50549-1	

Notes: (1) The maximum power supplied by the battery shall be the battery voltage multiplied by the maximum discharge current (2) Consult the FAAM website for a list of compatible batteries (3) Never exceed. Consider the voltage increase of the panels 'Voc' at low temperatures (4) In stand-alone mode, these powers are only available if the power of the batteries added to the PV power reaches these values (5) Configurable voltage and frequency.