

MEES0.6K/0.7K/0.8K/1K/1.5K/ 2K/3K/3.6K/4K-M1 Single Phase On-grid Inverter

**Higher Yield**

98.6% max efficiency;
98.1% EU efficiency

**Higher Quality**

IP 66 ingress protection; Efficient heat dissipation;
Uvioresistant; Corrosion resistant

**Safety**

Ground fault monitoring;
Thunder-proof and low radiance

**Compatibility**

AC output voltage 180 V to 300 V adjustable, compatible
with the grids of most countries;
Higher DC max input voltage and current

**Easy to use**

Light weigh and smaller size:
Easy to install; No fan, noiseless

**Communications**

Wifi, 4G, GPRS, Bluetooth, RS485
Remote monitoring



Model	MEES0.6K-M1	MEES0.7K-M1	MEES0.8K-M1	MEES1K-M1	MEES1.5K-M1
DC Input Data					
Recommended max. PV power(KW)	1.2	1.4	1.6	2	2.25
Max. input voltage(V)	600				
Start-up voltage(V)/ Min. input DC operation voltage(V)	40/30				
MPPT voltage range(V)	50~580	50~580	50~580	80~580	80~580
Max. input current(A)	18	18	18	18	18
Max. short circuit current(A)	22	22	22	22	22
MPPT number	1				
Strings number per MPPT	1	1	1	1	1
AC output Data					
Rated output power(KW)	0.6	0.7	0.8	1	1.5
Rated/Max. apparent output power(KVA)	0.6/0.6	0.7/0.7	0.8/0.8	1/1	1.5/1.5
Max. active power(KW)	0.6	0.7	0.8	1	1.5
Rated grid output current(A)	2.6	3.0	3.5	4.3	6.5
Max. output current(A)	2.6	3.0	3.5	4.3	6.5
Rated grid voltage/range(V) (L/N/PE)	220/230/240/180~300				
Rated grid frequency(Hz)	50/60				
Power Factor	>0.99, (-0.8 to +0.8 adjustable)				
THDi	<3%				
Efficiency					
Max. efficiency	98.60%				
EU efficiency	98.10%				
Protection					
Ground fault monitoring	Yes				
Output over voltage protection	Yes				
Anti-islanding protection	Yes				
Integrated AFCI	Optional				
DC reverse-polarity protection	Yes				
Over voltage category	AC ClassIII/PV ClassII				
General Data					
Dimension(mm) (W*H*D)	320*220*122.5				
Shell material	Aluminium alloy				
Noise Emission(dBA)	≤20				
Weight(Kg)	6				
Operating ambient temperature range	-25~60℃				
Topology	Transformerless				
Ingress protection	IP66				
Cooling concept	Natural convection				
Max. operation altitude(m)	3000				
Grid connection standard	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161				
Safety/EMC standard	IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004				
DC connection	MC4/D4				
Communications	Wifi(2.4G), 4G, GPRS, Bluetooth, RS485				

Model	MEES2K-M1	MEES3K-M1	MEES3.6K-M1	MEES4K-M1
DC Input Data				
Recommended max. PV power(KW)	3	4.5	5.4	6
Max. input voltage(V)	600			
Start-up voltage(V)/ Min. input DC operation voltage(V)	40/30			
MPPT voltage range(V)	80~580			
Max. input current(A)	18	18	18	18
Max. short circuit current(A)	22	22	22	22
MPPT number	1			
String number per MPPT	1	1	1	1
AC output Data				
Rated output power(KW)	2	3	3.6	4
Rated/Max. apparent output power(KVA)	2/2	3/3	3.6/3.6	4/4
Max. active power(KW)	2	3	3.6	4
Rated grid output current(A)	8.7	13.0	15.7	17.4
Max. output current(A)	8.7	13.0	15.7	17.4
Rated grid voltage/range(V) (L/N/PE)	220/230/240/180~300			
Rated grid frequency(Hz)	50/60			
Power Factor	>0.99, (-0.8 to +0.8 adjustable)			
THDi	<3%			
Efficiency				
Max. efficiency	98.60%			
EU efficiency	98.10%			
Protection				
Ground fault monitoring	Yes			
Output over voltage protection	Yes			
Anti-islanding protection	Yes			
Integrated AFCI	Optional			
DC reverse-polarity protection	Yes			
Over voltage category	AC ClassIII/PV ClassII			
General Data				
Dimension(mm) (W*H*D)	320*220*122.5		320*220*152.5	
Shell material	Aluminium alloy			
Noise Emission(dBA)	≤20			
Weight(Kg)	6			
Operating ambient temperature range	-25~60 C			
Topology	Transformerless			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude(m)	3000			
Grid connection standard	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161			
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