

Model	EES3K-M1	EES4K-M1	EES5K-M1	EES6K-M1
Series Name	EES-M1			
DC Input				
Recommended max. PV power	4.5 KW	6 KW	7.5 KW	9 KW
Max. input voltage	600 V			
Start-up voltage/Min. input DC operation voltage	40 V/30 V			
MPPT voltage range	80 V~580 V			
Max. input current/Max MPPT input current	18 A/18 A			
Max. short circuit current/Max MPPT short circuit current	22 A/22 A			
MPPT number	2			
String number per MPPT	1/1			
AC Output				
Rated output power	3 KW	4 KW	5 KW	6 KW
Rated/Max. apparent output power	3 KVA/3 KVA	4 KVA/4 KVA	5 KVA/5 KVA	6 KVA/6 KVA
Max. active power	3 KW	4 KW	5 KW	6 KW
Rated output current	13.0 A	17.4 A	21.7 A	26.0 A
Max. output current	13.0 A	17.4 A	21.7 A	26.0 A
Rated voltage/range (L/N/PE)	230 V/ 180V - 300V			
Rated frequency	50 Hz			
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging			
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			
Oversoltage category	AC Class III/PV Class II			
General Data				
Dimension (W*H*D)	350*340*156 mm			
Shell material	Aluminium alloy			
Weight	10 Kg			
Operating ambient temperature range	-25~60 °C			
Noise emission	20 dB(A)			
Full load ambient temperature	45 °C			
Topology	Transformerless			
Ingress protection	IP66			
Cooling concept	Natural Convection			
Max. operation altitude	3000 m			
Grid connection standard	AS 4777.2:2020, EN50549-1:2019, G98:2021, G99:2021,NC RFG, PTPIREE, ABNT NBR 16149, ABNT NBR 16150,VDE-AR-N 4105, CEI0-21, RD1699			
Safety/EMC standard	IEC-62109-1/-2, IEC-62477-1/-2, IEC-61000-6-1/-2/-3, NB/T32004			
Country of manufacturing	China			
DC connection	MC4/D4			
Communications	WiFi(2.4G), GPRS, 4G, Bluetooth, RS485			