

Model	EES6KPro-M1	EES7K-M1	EES8K-M1	EES9K-M1	EES10K-M1
Series Name	EES-M1				
DC Input					
Recommended max. PV power	9KW	10.5KW	12KW	13.5KW	15KW
Max. input voltage	600 V				
Start-up voltage/Min. input DC operation voltage	40 V/30 V				
MPPT voltage range	80V~580 V				
Max. input current/Max MPPT input current	18A/18A/18 A			18A/18A/36 A	
Max. short circuit current/Max MPPT short circuit current	22A/22A/22 A			22A/22A/44 A	
MPPT number	3				
String number per MPPT	1/1/1			1/1/2	
AC Output					
Rated Output Power	6KW	7KW	8KW	9KW	10KW
Rated/Max. apparent output power	6KVA/6KVA	7KVA/7KVA	8KVA/8KVA	9KVA/9KVA	10KVA/10KVA
Max. active power	6KW	7KW	8KW	9KW	10KW
Rated output current	26.0A	30.4A	34.8A	39.1A	43.5A
Max. output current	26.0A	30.4A	34.8A	39.1A	43.5A
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				
Over voltage category	AC Class III/PV Class II				
General Data					
Dimension (W*H*D)	419*411*162 mm				
Shell material	Aluminium alloy				
Weight	14Kg				
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, CEIO-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				