

flex.



INVERTER.



FLEX INVERTER



- High performance:** 97.8% peak efficiency
- High reliability:** No moving parts fan-less natural convection cooling
- Engineered for safety:** IP65 waterproof enclosure
- Superior Warranty:** 10 year limited warranty

Flex inverters take the DC electricity generated by your solar panels and convert it into AC electricity that you can use in your home.

When it comes to AC/DC, they rock. In fact, Flex inverters operate at 97.8% peak efficiency to convert DC into AC, so you'll benefit from the power your solar panels produce. Engineered for superior reliability and long life, these high-performance inverters are backed by a Flex 10 year limited warranty.

Flex is a leading manufacturer of both micro-inverters and string inverters, which are engineered in state-of-the-art manufacturing facilities. Each product undergoes rigorous quality control and testing, including tests at extreme temperatures and humidity cycling, ensuring that whatever the weather, they'll perform day in, day out.



Model	3 kW	5 kW
Energy Source	PV	PV
Input side		
Max DC Power (kW)	4.0	6.67
Max DC Input Voltage (V)	600	600
Start-Up DC Input Voltage (V)	120	120
MPPT Operating Range (V)	100 - 500	100 - 500
Max DC input Current (A)	11 + 11	11 + 11
Number of MPPT	2	2
Output Side		
Rated Output Power (kW)	3	5
Max Transient Power (kW)	3.3	5.5
AC Grid	230/240 V, 50Hz	230/240
Operating Phase	Single	Single
Output Power Factor	0.8 leading / 0.8 lagging	0.8 leading / 0.8 lagging
Efficiency		
Max Efficiency / Euro Efficiency	97.5% / 96.8	97.8% / 97.0%
MPPT Efficiency	99.5%	99.5%
Protection		
Temperature Protection	Yes	Yes
DC Reverse Polarity Protection / AC Short Circuit Protection	Yes / Yes	Yes / Yes
AC Output Overcurrent Protection	Yes	Yes
Output Overvoltage Protection-Varistor	Yes	Yes
Ground Fault Monitoring / Grid Monitoring	Yes / Yes	Yes / Yes
Anti-Islanding	Yes	Yes
General Data		
Dimensions (mm) / Weight	310 (W) x 663 (H) x 190 (D) / 15.2kg	
Topology	Transformer-less	
Internal consumption (Watts)	< 1.0	
Cooling Type	Natural Convection	
Ambient Range / Enclosure Type	0-100% Condensing, -25°C to 60°C / IP65	
Noise Emissions	< 30 dBA	
Max operating altitude without de-rate	4000m	
Grid connection standard	EN50438, G83/2, G59/3, AS4777.2: 2015, VDE0126-1-1, IEC61727, VDEN405	
Safety EMC/Standard	EC62109-1/2, NB/T32004 EN61000-6-1, EN61000-6-3	
Features		
Display	LCD	
Communication	RS 485	
Conduit Knockouts	Three (3) on rear and three (3) on bottom, 25mm	