



Force Series Single Phase Grid-Tied Inverters

3kW ~ 6kW

EUROPEAN VERSION



Sleek, reliable and compact, the Energizer® Force Series inverters are precision engineered to provide maximum performance, efficiency and longevity.

With power categories ranging from 3kW to 6kW, our single-phase inverters are suitable for a variety of home solar ecosystems.

High Performance Dual-MPPT Inverters

- Dual-MPPT design with precise MPPT algorithm
- 97.4% maximum efficiency
- IP65 rated
- Optional export control
- Compact & lightweight
- RS485, Wi-Fi, LAN, GPRS (optional) communications
- Wide voltage range/low start-up voltage
- Android and iPhone apps available
- 10 years warranty



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Small & Compact



High Performance



IP65 Rated



Remote Monitoring

MODEL INPUT	Force 3S	Force 3.6S	Force 4.6S	Force 5S	Force 6S
PV INPUT					
Max. Input Power [W]	4500	5400	6900	7500	9000
Max./Min. Input Voltage [V]	600/80	600/80	600/80	600/80	600/80
Start-up Input Voltage [V]	120	120	120	120	120
Rated Input Voltage [V]	360	360	360	360	360
MPPT Operating Voltage Range [V]	80-550				
Max. Input Current [A]	14				
Max. Short-circuit Current [A]	18				
No. of MPP Trackers	2				
No. of strings per MPPT	1				
AC OUTPUT					
Rated Output Power [W]	3000	3600	4600	5000	6000
Max. Apparent AC Power [VA]	3300	3960	5060	5500	6000
Rated Grid Voltage [V]	220 / 230 / 240				
Rated Grid Frequency [Hz]	50/60				
Rated Output Current [A]	13.0	15.7	20.0	21.7	26.1
Max. Output Current [A]	14.3	17.2	22.0	23.9	26.1
Displacement Power Factor	1 (adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi, Nominal output)	<3%				
EFFICIENCY					
Max. MPPT Efficiency	99.00%				
Max. Euro Efficiency	96.80%				
Max. Efficiency	97.40%				
PROTECTION					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
PV String Current Monitoring	NO				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent Protection	YES				
AC Overvoltage Protection	YES				
Surge Protection	Optional (DC/AC: Type II)				
DC Switch	Optional				
AFCI	NO				
STANDARD					
Safety	EN/IEC 62109-1/2				
EMC	EN 61000-6-1/2/3/4				
Grid Regulation	AS/NZS-4777.2, CEI 0-21				
GENERAL DATA					
Dimensions (WxHxD) [mm]	402 * 453* 148				
Net Weight [kg]	15.5				
Cooling Method	Natural Convection				
Ingress Protection (according to IEC60529)	IP65				
Topology	Transformerless				
Noise Emission (typical) [dB]	<30				
Operating Temperature Range	-25 to +60°C (derating at +45°C)				
Humidity	0-100% (no condensation)				
Self Consumption (night) [W]	<1W				
Monitoring Module	LAN/ WIFI / GPRS / 4G (Optional)				
Communication	RS485, Meter / CT, DRM				
Display	LCD Panel / Touch Key / iOS App / Android App / Web Portal				
Warranty	10 Years Full Warranty				
Country of Manufacture	China				