

Energizer®

SOLAR INVERTERS



FORCE SERIES

SINGLE PHASE GRID-TIED INVERTERS

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



SMALL & COMPACT



IP65 RATED



REMOTE MONITORING

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 + 2 years warranty

✉ hello@energizersolar.com

🌐 energizersolar.com

MODEL INPUT	3S	3.6S	4.6S	5S	6S
PV INPUT					
Max Recommended DC Power [W]	4500	5400	6900	7500	9000
Max. DC Voltage [V]	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360
Max. Input Current [A]			14		
Max. Short Circuit Current [A]			18		
MPPT Voltage Range [Vdc]			80-550		
Start-up Voltage [V]			120		
No. of MPP Trackers			2		
Strings Per MPP Tracker			1		

AC OUTPUT	3S	3.6S	4.6S	5S	6S
Nominal AC Power [W]	3000	3600	4600	5000	6000
Max. Apparent AC Power [VA]	3300	3960	5060	5500	6000
Rated Grid Voltage [Vac]			220 / 230 / 240		
Rated Grid Frequency [Hz]			50/60, ±5		
Nominal AC Current [A]	13.0	15.7	20.0	21.7	26.1
Max. AC 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	3S	3.6S	4.6S	5S	6S
Max. MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%
Max. Euro Efficiency	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%

PROTECTION	3S	3.6S	4.6S	5S	6S
DC Reverse-Polarity Protection			YES		
Anti-Islanding Protection			YES		
Insulation Monitoring			YES		
Residual Current Monitoring			YES		
AC Short Circuit Protection			YES		
AC Output Over Current Protection			YES		
AC Output Over Voltage Protection			YES		
Temperature Protection			YES		
Integrated DC Switch			NO		

STANDARD	3S	3.6S	4.6S	5S	6S
Safety			IEC 62109-1/2		
EMC			IEC 61000-6-1 / IEC 61000-6-2 / IEC 61000-6-3		
Certification			AS/NZS 4777.2:2020 / G98-1 / G99-1 / EN50549-1 / IEC 61727		

GENERAL DATA	3S	3.6S	4.6S	5S	6S
Dimensions (WxHxD) [mm]			402 * 476.5 * 148		
Net Weight [kg]			15.5		
Cooling Concept			Natural		
Ingress Protection (according to IEC60529)			IP65		
Topology			Transformerless		
Over Voltage Category			III (AC side), II (PV side)		
Noise Emission (typical) [dB]			<30		
Operating Temperature Range			-25 to +60°C (derating at +45°C)		
Storage Temperature Range			-40 to +70°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 + 2 Years Parts Only Warranty		