

Energizer

SOLAR INVERTERS



Force T Series Three Phase Grid-Tied Inverters

5kW ~ 25kW

EUROPEAN VERSION



The Energizer® Force T Series inverter range is aimed at domestic and small-scale commercial installations, offering unrivaled performance and versatility for increased yield potential and longer generation windows. The Force T Series inverter options range from 5kW to 25kW.

High Performance Dual-MPPT Inverters

- Dual-MPPT design, 2 strings per MPPT*
- 98.6% maximum efficiency
- IP65 rated
- Optional export control
- Compact design
- RS485, Wi-Fi, LAN, GPRS (optional) communications
- High voltage range/low start-up voltage
- Android and iPhone apps available
- 10 years warranty

*applies to 17T-25T



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Small & Compact



High Performance



IP65 Rated



Remote Monitoring

MODEL INPUT	Force 5.0T	Force 6.0T	Force 8.0T	Force 10.0T	Force 12.0T	Force 15.0T	Force 17.0T	Force 20.0T	Force 25.0T
PV INPUT									
Max Recommended DC Power [W]	7500	9000	12000	15000	18000	22500	25500	30000	37500
Max. DC Voltage [V]					1100				
Nominal DC Operating Voltage [V]			12.5/12.5				25/12.5	25/25	
Max. Input Current [A]					14				
Max. Short Circuit Current [A]					18.2				
MPPT Voltage Range [Vdc]					140-1000				
Start-up Voltage [V]					140				
No. of MPP Trackers					2				
Strings Per MPP Tracker			1+1				2+2		
AC OUTPUT									
Nominal AC Power [W]	5000	6000	8000	10000	12000	15000	17000	20000	25000
Max. Apparent AC Power [VA]	5500	6600	8800	11000	13200	16500	18700	22000	27500
Rated Grid Voltage (AC Voltage Range) [Vac]	3/N/PE, 220/380, 230/400, 240/415								
Rated Grid Frequency [Hz]	50/60, ±5								
Nominal AC Current [A]	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	36.2
Max. AC Current [A]	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	39.9
Displacement Power Factor	1 (adjustable from 0.8 leading to 0.8 lagging)								
Total Harmonic Distortion (THDi, Nominal Output)	<3%								
EFFICIENCY									
Max. MPPT Efficiency					99.8%				
Max. Euro Efficiency					97.8%				
Max. Efficiency					98.6%				
PROTECTION									
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				
Surge Protection					DC/AC: Type II				
PV String Current Monitoring			YES				Optional		
Integrated DC Switch					YES				
STANDARD									
Safety					IEC 62109-1/2				
EMC	IEC 61000-6-1 / IEC 61000-6-2 / IEC 61000-6-3 / IEC61000-4-2 / 3 / 4 / 5 / 6 / 8								
Certification	AS/NZS 4777.2:2020 / VDE-AR-N 4105 / VDE0126-1-1 / G98 / G99 / EN50549-1 / CEI 0-21IEC62116 / IEC61727 / IEC61683								
GENERAL DATA									
Dimensions (WxHxD) [mm]	370*480*183.5								
Net Weight [kg]					17		20		21
Cooling Concept					Natural Convection		Fan		
Degree of Protection (according to IEC60529)	IP65								
Topology	Transformerless								
Over Voltage Category	III (AC side), II (PV side)								
Noise Emission (typical) [dB]					<30				<55
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]	<3W								
Monitoring Module	Wi-Fi / 4G (optional)								
Communication	RS485, Meter, DRM, Estop								
Display	LCD Panel / Touch Key / iOS App / Android App / Web Portal								
Warranty	10 Years Warranty								
Country of Manufacture	China								