

# Energizer

SOLAR INVERTERS



## Force T Series Three Phase Grid-Tied Inverters

5kW ~ 25kW

AUSTRALIAN 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
<b>PV INPUT</b>									
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		
<b>AC OUTPUT</b>									
Nominal AC Power [W]	5000	6000	8000	10000	12000	15000	17000	20000	25000
Max. Apparent AC Power [VA]	5500	6600	8800	1100	1320	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%								
<b>EFFICIENCY</b>									
Max. MPPT Efficiency					99.8%				
Max. Euro Efficiency					97.8%				
Max. Efficiency					98.6%				
<b>PROTECTION</b>									
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				
<b>STANDARD</b>									
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								
<b>GENERAL DATA</b>									
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								