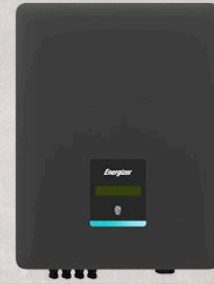


# Energizer®

## SOLAR INVERTERS



## FORCE T SERIES

### THREE PHASE GRID-TIED INVERTERS

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



SMALL &  
COMPACT



IP65  
RATED



REMOTE  
MONITORING

### High Performance Three Phase Inverters

Force 5T/6T/8T/10T/12T/15T/17T/20T/25T

- Dual-MPPT design, 2 strings per MPPT\*
- 98.6% maximum efficiency
- IP65 rated
- Compact & lightweight
- RS485, Wi-Fi, LAN, GPRS (optional) communications
- Wide voltage range/low start-up voltage
- 1100V max. DC voltage
- Android and iPhone apps available
- 10 + 2 years Warranty

\*applies to 17T - 25T

✉ [hello@energizersolar.com](mailto:hello@energizersolar.com)

🌐 [energizersolar.com](http://energizersolar.com)

MODEL INPUT	5T	6T	8T	10T	12T	15T	17T	20T	25T
<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			

AC OUTPUT	5T	6T	8T	10T	12T	15T	17T	20T	25T
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%								

EFFICIENCY	5T	6T	8T	10T	12T	15T	17T	20T	25T
Max. MPPT Efficiency					99.8%				
Max. Euro Efficiency					97.8%				
Max. Efficiency					98.6%				

PROTECTION	5T	6T	8T	10T	12T	15T	17T	20T	25T
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	5T	6T	8T	10T	12T	15T	17T	20T	25T
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	5T	6T	8T	10T	12T	15T	17T	20T	25T
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 + 2 Years Parts Only Warranty								