

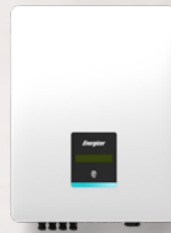
# Energizer®

## SOLAR INVERTERS

### T SERIES

#### GRID-TIED INVERTERS

The 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 3-phase T Series inverter options range from 3kW to 25kW.



High  
Performance



Small &  
Compact



IP65  
Rated



Remote  
Monitoring

### High Performance 3-Phase Inverters

T5/T6/T8/T10/T12/T15/T17/T20/T25

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

\*i17.0T-i20.0T



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

MODEL INPUT	T5	T6	T8	T10	T12	T15	T17	T20	T25
Max. Recommended DC power [W]	7500	9000	12000	15000	18000	22500	25500	30000	37500
Max. DC Voltage [V]	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominal DC Operating Voltage [V]	600	600	600	600	600	600	600	600	600
Max. Input Current (input A/input B) [A]	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	25/12.5	25/25	25/25	25/25
Max. Short Circuit Current (input A/input B) [A]	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	16.25/16.25	32.5/16.25	32.5/32.5	32.5/32.5	32.5/32.5
MPPT Voltage Range [Vdc]	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850	160-850
MPPT Voltage Range (full load) [Vdc]	210-850	250-850	330-850	410-850	490-850	410-850	350-850	410-850	510-850
Start-up Voltage [V]	180	180	180	180	180	180	180	180	180
No. of MPP Trackers	2	2	2	2	2	2	2	2	2
Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	2+1	2+2	2+2	2+2
<b>OUTPUT</b>									
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, 230/400 (310-480)								
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)								
<b>EFFICIENCY</b>									
Max. MPPT Efficiency [%]	99.8								
Euro Efficiency [%]	97.8								
Max. Efficiency (@rated voltage) [%]	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:	YES								
Temperature Protection:	YES								
Integrated DC Switch:	Optional								
<b>STANDARD</b>									
Safety	IEC62109-1/2								
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8								
Certification	AS4777.2-2015 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21IEC62116 /IEC61727 /IEC61683								
<b>GENERAL DATA</b>									
Dimensions (WxHxD) [mm]	475*384*186								
NET Weight [kg]	20				24				
Cooling Concept	Convection				Forced Convection				
Degree of Protection (according to IEC60529)	IP65								
Topology	Transformerless								
Over Voltage Category	III (AC side), II (PV side)								
Operating Temperature Range [°C]	-20..... +60°C (derating at +45°C)								
Storage Temperature Range [°C]	-40..... +70°C								
Altitude	3000								
Humidity	0-100% (no condensation)								
Self Consumption (night) [W]	<3W								
Monitoring Module (optional)	RS485, WIFI (optional) / GPRS (optional)								
Communication	Meter, DRM, USB update, E-stop								
Display	LCD screen, Touch Key, App, Website								