

Technical Data



TRM030KTL
TRM033KTL

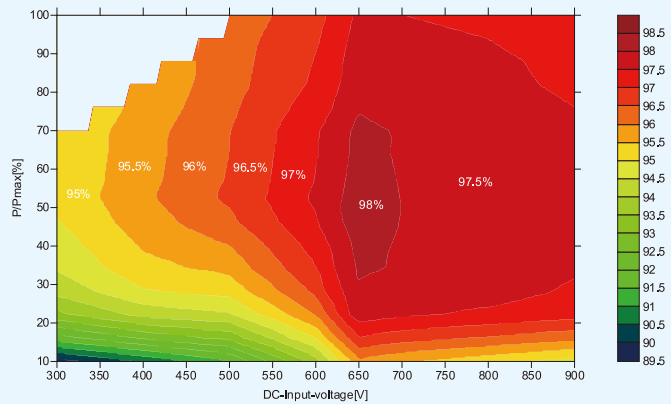
Features:

- > Max efficiency 98.3%
- > Internal DC switch, fuse, and surge protection
- > Small footprint, easy installation
- > Dual MPPT
- > Reactive / Active power control
- > Able to display at night

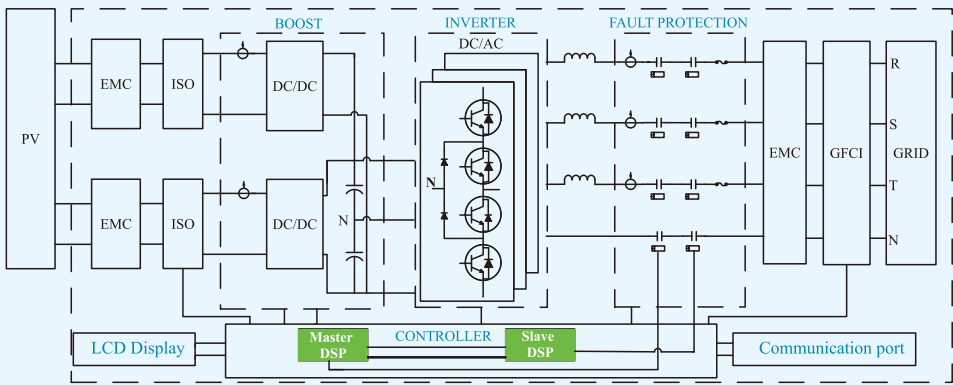
Certificates and Approvals:

CE, VDE AR-N-4105, VDE 0126-1-1+A1, G83/2, G59/2, G59/3, AS4777, ENEL, RD1663, IEC61727, UTE C15-712, MEA, PEA, CQC, NB/T32004-2013, ROHS, REACH

Efficiency Curve:



Circuit Diagram:



TRM Series

TRM030KTL / TRM033KTL

Model	TRM030KTL	TRM033KTL
Rated AC power	30000 W	33000 W
Maximum AC power	30000 VA	33000 VA
Input		
Maximum input power	32000 W	35000 W
Maximum input voltage	1000 Vdc	1000 Vdc
MPP voltage range / rated input voltage	250 - 900 Vdc / 640 Vdc	250 - 900 Vdc / 640 Vdc
Maximum input current	35 Adc / 35 Adc	35 Adc / 35 Adc
Startup voltage	200 Vdc	200 Vdc
DC switch	integrated	integrated
Initial feeding voltage	300 Vdc	300 Vdc
Number of inputs	4+4	4+4
MPPT number	2	2
Output		
Nominal AC grid	3 / N / PE; 220 / 380 V / 3 / N / PE; 230 / 400 V / 3 / N / PE; 240 / 415 V	
Voltage range	310 Vac - 470 Vac (May vary as per corresponding country's grid standard)	
Frequency range	50 Hz, 60Hz / -5 Hz ... +5 Hz	
Power factor	Rated >0.99 0.9 leading...0.9 lagging controllable	
Maximum current	45,5 Aac	50 Aac
DC current injection (max.)	< 2,5‰	< 2,5‰
Current Harmonic Distorsion (THDi)	< 3%	< 3%
System		
Maximum efficiency	> 98,3%	> 98,3%
European efficiency	> 97,9%	> 97,9%
MPPT efficiency	> 99,5%	> 99,5%
Anti-Islanding protection	Yes	Yes
Night power consumption	< 0,2 W	< 0,2 W
Detecting earth leakage	Yes	Yes
Cooling	Smart fan cooling	
Mechanical Spec.		
Dimensions in mm	640 x 270 x 820	640 x 270 x 820
Weight	56 Kg	59 Kg
IP degree	IP65	
Display	LCD 3,5 Inch	
Function key	4	
Data interface	RS232 / RS485 / Ethernet / WiFi / GPRS / USB	
Thermal protection	Yes	
Audible noise level	< 45dB	
Ambient operating temp	-25°C - +60°C (> 45°C derating)	
Casing	Aluminium	