

## SOLARKOL TI-33 INVERTER

Technical Details	TI - 33
<b>DC Input Information</b>	
Max. DC Input Power (W)	46200 W
Max. DC Input Voltage (V)	1075 V
Nominal DC Input Voltage (V)	650 V
Max. Input Current (A)	55 A
Max. Short Circuit Current (A)	60 A
Inverter Operating Voltage Range (V)	680-1000 V
DC String Input Number	5
<b>AC Output Information</b>	
Max. Output Power (W)	33 kW
Nominal Output Voltage (V)	400 , 3L/N/P
Nominal Output Frequency (Hz)	50
Max. Output Current (A)	48 A
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Harmonic (THD)	<%3 (At Full power)
<b>Efficiency</b>	
Max. Efficiency	%98.0
Euro Efficiency	%97.2
<b>Protection</b>	
Leak Current Monitoring	Internal
Insulation Resistance	Internal
Reverse Polarity Protection	Internal
Anti Islanding	Internal
Overcurrent Protection	Internal
Overvoltage Protection	Internal
Output Short Circuit	Internal
DC SPD	Internal (Type II)
AC SPD	Internal (Type II)
<b>General Properties</b>	
Operating Temperature (°C)	-30 ~ +60
Humidity	0 ~ 100%
Operating Altitude (m)	≤4000
Cooling	Fan Cooling
Control Panel	128×64 Graphic LCD
Communication	RS485 or WIFI
IP Protection Rating	IP65
Topology	3 Level, Transformerless
<b>Standards</b>	
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18
Security	IEC62109-1, IEC62109-2

## Solarkol Power Optimizer

Technical Detail	AGTM-01	AGTM-02	AGTM-03
<b>Input</b>			
Number of Input	2	1	2
MPPT Number	1	1	1
Nominal DC Power (W)	660 W	600 W	1200 W
Max. DC Input Voltage (V)	84 V	60 V	120 V
MPPT Operating Range (V)	50-80 V	32-50 V	70 - 90
Max . Short Circuit Current (A)	20 A	20 A	25 A
Max. Efficiency (%)	%99.2		
Euro Efficiency (%)	%98.9		
<b>Output - ACTIVE WORKING MODE</b> (SOLARKOL INVERTER ON WORKING MODE CONNECTED WITH POWER OPTIMIZER)			
Max. Output Current (A)	15 A	15 A	20 A
Max. Output Voltage (V)	62 V	40 V	80 V
<b>Output - ON STANDBY MODE</b> (BETWEEN OPTIMIZER AND INVERTER CONNECTION IS DISCONNECTED OR SOLARKOL INVERTER ON STANDBY MODE)			
Output Voltage Per Power Optimizer (V)	1 V		
<b>INSTALLATION FEATURES</b>			
Input Connector Type	1 Pair of MC4		
Output Connector Type	1 Pair of MC4		
Operating Temperature Range (°C)	-30°C / +60°C		
IP Protection Rating	IP65		
Dimensions(H x W x D)	182.4 x 106.5 x 41.32 mm		