

## String Inverter Macsun Solar SC30-40K TL3

DC input voltage up to 1000V Maximum efficiency of 98.2% Internal DC Switch Transformer less  
Compact design Multi MPP controller MTL-string Bluetooth/ RF technology/ Zigbee / Wi- Fi Sound  
control Easy installation...



Product Features:

DC input voltage up to  
1000V

Maximum efficiency of  
98.2%

Internal DC switch

Transformerless

- DC input voltage up to 1000V
- Maximum efficiency of 98.2%
- Internal DC switch
- Transformerless
- Compact design
- Multi MPP controller
- MTL-string
- Bluetooth/ RF technology/ WiFi
- Sound control
- Easy installation
- Comprehensive Growatt warranty program.

## Specifications:

> Input Data(DC)			
Max.DC power	34500W	36300W	44000W
Max.DC Voltage	1000V	1000V	1000V
Start Voltage	250V	250V	250V
DC Voltage Range	180V-1000V	180V-1000V	180V-1000V
MPPT Voltage Range/Nominal voltage	460V-800V/600V	460V-800V/600V	460V-800V/600V
Full load DC voltage range	460V-800V	460V-800V	460V-800V
Max.input current of tracker	35A	38A	38A
Max.input current per string	20A	20A	20A
Number of MPPT trackers/strings per MPPT tracker	2/3	2/3	2/4

### > Output Data(AC)

Rated AC output Power	30000W	33000W	40000W
Max.AC power	30000W	33000W	40000W
Max.output current	45.5A	50A	50A
AC nominal voltage/range	230V/400V 184Vac-275Vac	230V/400V 184Vac-275Vac	230V/400V 184Vac-275Vac
AC grid frequency/range	50/60Hz;±5Hz	50/60Hz;±5Hz	50/60Hz;±5Hz
Power Factor	1	1	1
Displacement power factor configurable	0.8leading-0.8lagging	0.8leading-0.8lagging	0.8leading-0.8lagging
THDI	<3%	<3%	<3%
AC connection	3/N/PE,3W+PE(Opt)	3/N/PE,3W+PE(Opt)	3/N/PE,3W+PE(Opt)

### > Efficiency

Maximum Efficiency	98.2%	98.2%	98.2%
Euro Efficiency	97.6%	97.7%	97.8%
MPPT Efficiency	99.5%	99.5%	99.5%

### > Protection

DC reverse polarity protection	yes	yes	yes
DC switch for each MPPT	yes	yes	yes
Output over current protection	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes
Ground fault monitoring	yes	yes	yes
Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes

### > General Data

Dimension(W/H/D)	538*740*276mm	538*740*276mm	538*740*276mm
Weight	60KG	60KG	60KG
Operating Temperature Range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Noise Emission(typical)	≤55dB(A)	≤55dB(A)	≤55dB(A)
Altitude	2000m without derating	2000m without derating	2000m without derating
Self-Consumption(night)	< 0.5W	< 0.5W	< 0.5W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Smart cooling	Smart cooling	Smart cooling
Environmental Protection Rating	IP65	IP65	IP65
Relative Humidity	0~100%	0~100%	0~100%

### > Features

DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interface:RS232/RS485 /LAN/WiFi	yes/yes/opt/opt	yes/yes/opt/opt	yes/yes/opt/opt
Warranty: 5 years/10 years	yes/opt	yes/opt	yes/opt

### > Certificates and Approvals

CE、CGC、VDE-AR-N4105、ZVRT,LVRT