



#### Efficient

- Efficiency of up to 98.3 %

#### Flexible

- Reactive power supply
- Extended temperature range from  $-25^{\circ}\text{C}$  ~  $+55^{\circ}\text{C}$
- Compact dimensions, easier installation

#### Reliable

- Active and passive islanding detection
- Powerful grid management function
- Low-voltage ride through function

#### Communicative

- Optical fiber remote monitoring

## SOLARTEC CENTRAL 50 / 100

Solartec Central 50/100 uses a low frequency transformer. It securely connects the inverter to the grid. The wide range of DC input raises the generating efficiency and return, and facilitates the combination of PV modules. The highest working altitude is 6000m (If above 3000m, it should be derated before use.) and is suitable for use in various geographical environments.

## >> Specifications

	Solartec Central 50	Solartec Central 100
<b>DC Side</b>		
Max. DC Voltage	900 V	900 V
MPPT Voltage Range	450 – 800 V	450 – 850 V
Max. DC Current	130 A	250 A
Max. Number of Strings	2	2
<b>AC Side</b>		
Nominal Output Power	50 kW	100 kW
Max. AC Current	83 A	182 A
Grid Type	TN-S / TN-C/TT/IT	TN-S / TN-C/TT/IT
Nominal Grid Voltage	3 ~ 380 V	3 ~ 380 V
Allowable Grid Voltage Range	320 – 420 V	320 – 420 V
Nominal Grid Frequency	50 / 60 Hz	50 / 60 Hz
THD of AC (full-load)	< 3 %	< 3 %
Power Factor	0.9 (leading) ~ 0.9 (lagging)	0.9 (leading) ~ 0.9 (lagging)
<b>System</b>		
Max. Efficiency	96.1 % (with transformer)	97 % (with transformer)
IP Protection Degree	IP20	IP20
Protection Level	I	I
Overvoltage Degree	III	III
Lightning Protection Level	II	II
Power Consumption at Night	< 30 W	< 30 W
Ambient Temperature	$-25^{\circ}\text{C}$ + $55^{\circ}\text{C}$	$-25^{\circ}\text{C}$ + $55^{\circ}\text{C}$
Cooling	Fan	Fan
Operating Noise	< 65 dB	< 65 dB
Display/Operation	LCD touch screen	LCD touch screen
Telecommunication Interface	Ethernet	Ethernet
<b>Dimensions</b>		
W/H/D in mm	800 / 1900 / 650	1000 / 2100 / 800
Weight	700 kg	1100 kg
<b>Certificates</b>		
	CQC	CGC / TUV / CE