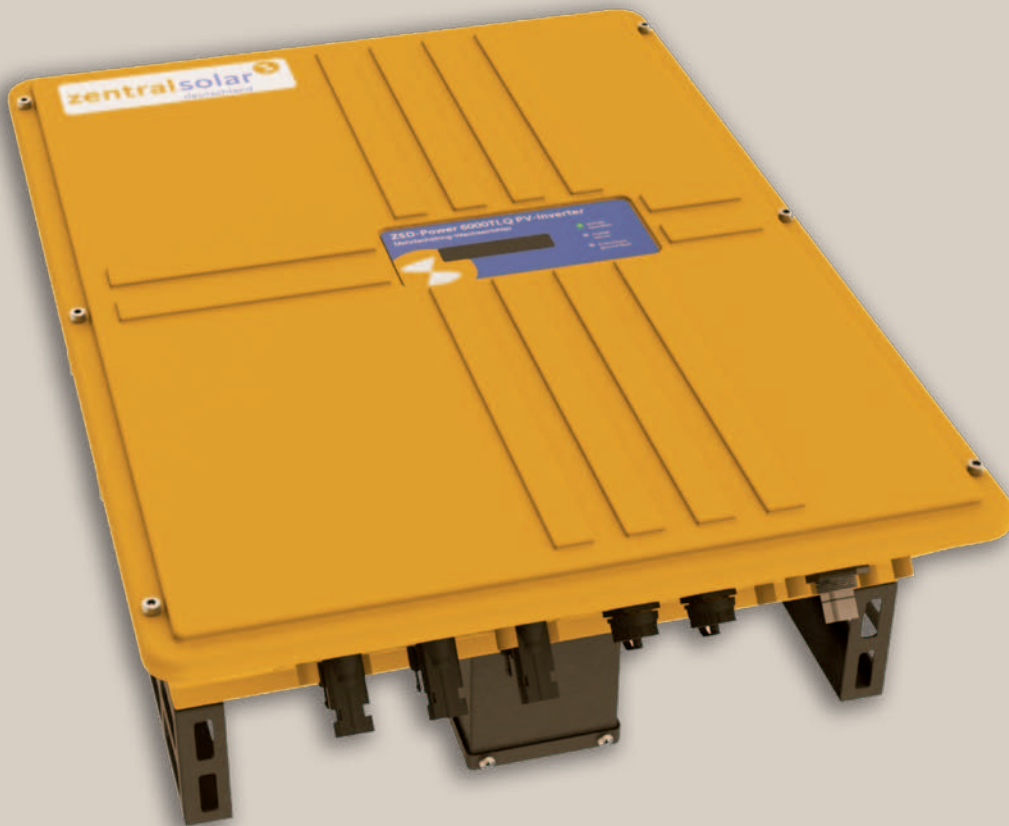


## ZSD-Power 4.500 / 5.000 / 6.000 TLQ

WE GENERATE  
POWER.



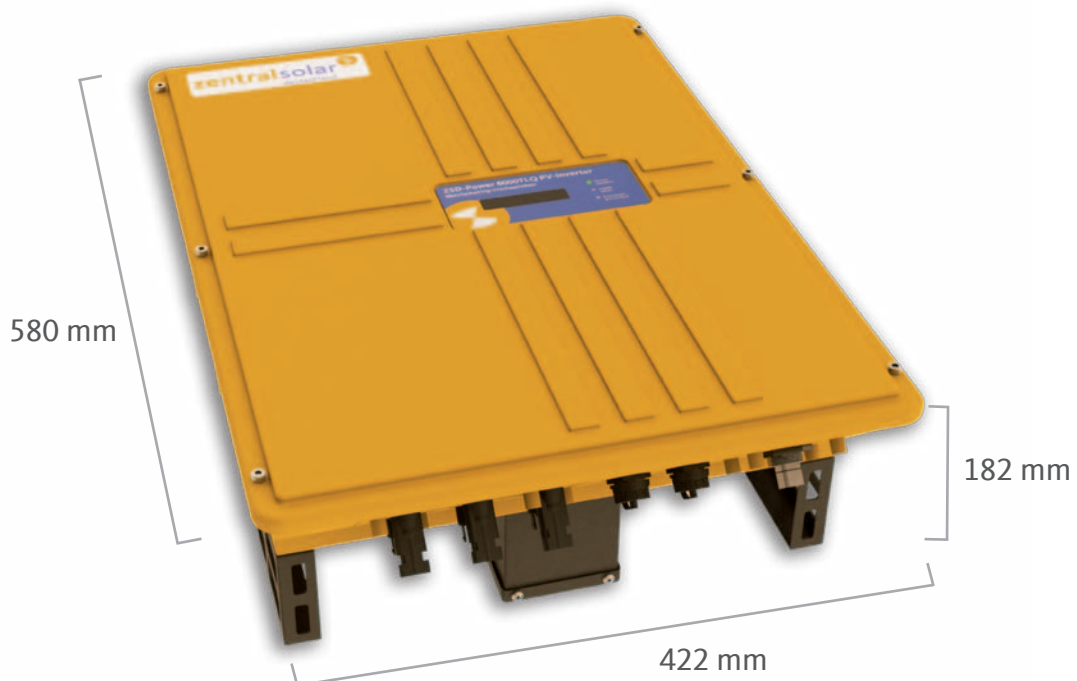
# ZSD-Power 4.500 / 5.000 / 6.000 TLQ

Single-phase power inverter

## The optimal converter.

The single-phase power inverters of the zentralsolar ZSD-Power 4.500/5.000/6.000 TLQ converts solar energy into alternating current usable by us. Several MPP trackers scan the respective power surges during energy generation and thereby ensure optimal power reception – to keep the output at a constantly high level.

The multi-string power inverters reach the highest standards with efficiency peaks of over 96%. Even at high temperatures, no degradation of performance by derating (reduction in output) – with full protection of the components from overheating. Because of the light weight of the power inverters, they are particularly easy to install.





ZSD-Power 4.500 TLQ

ZSD-Power 5.000 TLQ

ZSD-Power 6.000 TLQ

	ZSD-Power 4.500 TLQ	ZSD-Power 5.000 TLQ	ZSD-Power 6.000 TLQ	
<b>Input (DC)</b>	Voltage range, MPP	100 - 450 V	100 - 450 V	100 - 450 V
	Max. DC current	500 V	500 V	500 V
	Max. Input current	21 A (10,5 A x 2)	21 A (10,5 A x 2)	31,5 A (10,5 A x 3)
	Number of MPP trackers	1 - 2	1 - 2	1 - 3
	Max. DC current	4500 W	5000 W	6000 W
	DC circuit-breakers	integrated	integrated	integrated
	DC plug system	MC4	MC4	MC4
<b>Output (AC)</b>	AC nominal voltage	230 V	230 V	230 V
	AC network frequency	60/50 Hz	60/50 Hz	60/50 Hz
	AC output	3,3 kVA	3,8 kVA	4,6 kVA
	Max. AC voltage	3,8 kVA	4,4 kVA	5,1 kVA*
	Max. AC current	16,52 A	19,13 A	22 A*
	Power factor	0,99	0,99	0,99
	Distortion	< 3 %	< 3 %	< 3 %
	DC current input	< 0,5 %	< 0,5 %	< 0,5 %
	Max. Efficiency (EU)	96,3 % (95,1 %)	96,3 % (95,2 %)	96,3 % (95,4 %)
	Standby power	< 1 W	< 1 W	< 1 W
	AC connection	Single-phase	Single-phase	Single-phase
	<b>General data</b>	Rel. Humidity	Max. 95 %	Max. 95 %
Operating temperature range <sup>1)</sup>		-20 - 80°C	-20 - 80°C	-20 - 80°C
Type of protection		IP65	IP65	IP65
Cooling		Convection and temperature-adjusted ventilator	Convection and temperature-adjusted ventilator	Convection and temperature-adjusted ventilator
Display		Status - LED/LCD	Status - LED/LCD	Status - LED/LCD
Interfaces		RS232/RS485	RS232/RS485	RS232/RS485
Weight		22,5 kg	22,5 kg	23 kg
Measurements (H/B/T)		422 x 580 x 182 (mm)	422 x 580 x 182 (mm)	422 x 580 x 182 (mm)
Guarantee	10 years	10 years	10 years	
<b>Adherence to CE</b>	Device safety	EN 50178	EN 50178	EN 50178
	EMC interference protection	EN 61000-6-1 & -6-2	EN 61000-6-1 & -6-2	EN 61000-6-1 & -6-2
	EMC interference transmission	EN 61000-6-3 & -6-4	EN 61000-6-3 & -6-4	EN 61000-6-3 & -6-4
	Network feedback	EN 61000-3-2 & -3-3	EN 61000-3-2 & -3-3	EN 61000-3-11 & -3-12

<sup>1)</sup> Nominal Power up to ambient temperature of 55°C \* für Deutschland 4,6 kVA/20 A gemäß VDE AR-N 4105



Awarded: RAL-certified all along the line

We are one of the few companies in Germany, which are certified in all four categories of the photovoltaic area of RAL-GZ 966.

# WHEN IT COMES TO THE ENVIRONMENT, WE DO IN ROME WHAT THE ROMANS DO.

VfL Wolfsburg has won a large environmental partner. With zentralsolar deutschland, the Bundesliga competitor has entered into cooperation within the framework of its Corporate Social Responsibility Activities (CSR).



## A STRONG SYSTEM.

Whether you are a farmer, an investor, a private or trade customer – we offer you individual solutions. From the classic models to special designs, we meet the most demanding requirements – including the time needed for assembly. The basic principle: The better the solar module, assembly system and power inverter match each other, the more efficiently the system works, and the more power you obtain. Each component plays an important role in this.

### **Solar module: simply genius.**

Our Genius solar modules are high-quality and deliver powerful performance. High efficiency levels and positive performance tolerances make them productive sun-worshippers – even on roofs

not optimally positioned for the sun. Stability, weather resistance and the easily-assembled aluminum frames are further hallmarks of our module.

### **Assembly systems: Assembly in record time.**

The right system for the right application – a secure and durable photovoltaic installation. The assembly system must be suitable for the roof and for the module and be able to handle every type of weather. High expectations, which our systems meet with ease. Even roofs with unusually low bearing capacity can be fitted with photovoltaic installations thanks to our lightweight mounting. The components are quickly and easily assembled on the roof, saving you time – and thereby hard cash.

You can rely on our qualified Service Partners: