



# Hosola 40KTL Inverter String Inverter



## • Flexible

- Easy to handle and install without lifting machinery
- Integrated combiner box function and type II surge arrester
- IP 65 design, easy to choose installation location

## • Grid-friendly

- LVRT function
- Remote active power control (0 ~ 100%)
- A variety of reactive power control modes, power factor adjustable between 0.8 overexcited~ 0.8 underexcited

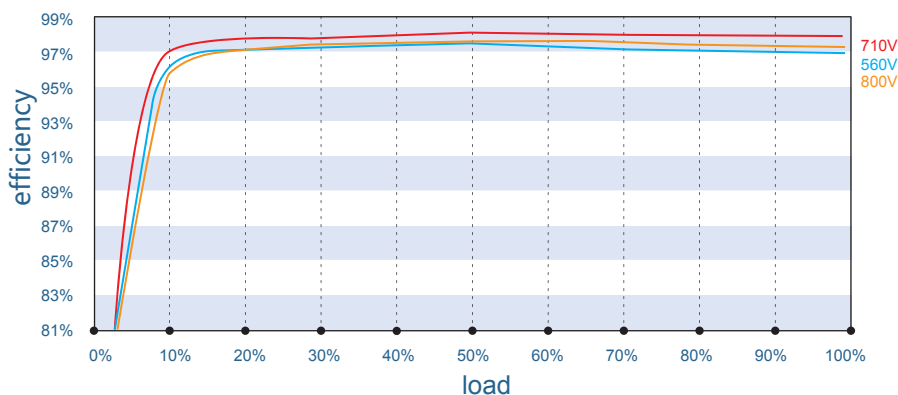


## • Efficient

- Max. efficiency 98.3%
- Wide MPPT voltage range, reducing the influence to generation by varied climate
- 480V AC voltage output, heightening system conversion and transmission efficiency

## • Qualified

TÜV, BDEW





# Hosola String Inverter Technical Data

High Safety

High Quality

High Efficiency

<b>Input Data</b>		<b>Protection</b>	
Max. PV input power	40500W (20250W/20250W)	Anti-islanding protection	Yes
Max. PV input voltage	1000V	LVRT	Yes
Startup voltage	300V	DC reverse connection protection	Yes
Nominal input voltage	710V	AC short circuit protection	Yes
MPP voltage range	280~950V	Leakage current protection	Yes
MPP voltage range for nominal power	560~800V	DC switch	Integrated
Number of MPPTs	2	DC fuse	Integrated
Max. number of PV strings per MPPT	4	Overvoltage protection	Type II DIN rail surge arrester
Max. PV input current	66A (33A/33A)	<b>System Data</b>	
Max. current for input connector	10A	Max. efficiency	98.3%
Short-circuit current of PV input	80A (40A/40A)	Max. European efficiency	98.0%
<b>Output data</b>		Isolation method	Transformerless
Nominal AC output power	36000W	Ingress protection rating	IP65 (fan IP55)
Max. AC output power	39800W	Night power consumption	<1W
Max. AC output apparent power	39800VA	Operating ambient temperature range	-25~60°C (>45°C derating)
Max. AC output current	48A	Allowable relative humidity range	0-95% non-condensation
Nominal AC voltage	3/N/PE, 3/PE, 277/480Vac	Cooling method	Smart forced air cooling
AC voltage range	422~528Vac	Max. operating altitude	4000m (>2000m derating)
Nominal grid frequency	50/60Hz	Display	Graphic LCD
Grid frequency range	47~53Hz/57~63Hz	Communication interface	RS485 (RJ45 connector)
THD	<3% (nominal power)	DC connection type	MC4
DC current injection	<0.5%In	AC connection type	Clamping yoke connector
Power factor	>0.99@default value at nominal power, (adj. 0.8 overexited ~0.8 underexited)	Certification	VDE0126 -1-1, EN 6210 9 -1, EN 6210 9 -2,BDEW
<b>Mechanical Data</b>			
Dimensions (W×H×D)	634×820×257mm		
Mounting method	Wall bracket		
Weight	65kg		

