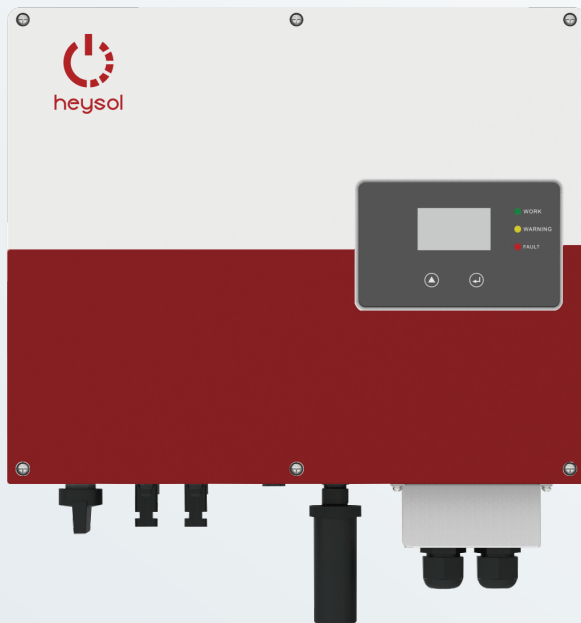


The Smartest Brain
For Your Solar PV System



Photovoltaic On-grid Inverter

HSOL-4K/5K/6K-T

➤ Long Life Cycle Good Durability

- Use top components from Top brands
- Natural convection design for better heat dissipation. No fans. Low failure rate.
- Suitable for different grid status.

➤ Intelligent User-friendly

- Easy Installation.
- Touch screen design, better operating experience.
- Remote monitoring with Web and APP, easier to access the data of the system.

➤ High Efficiency More Generation

- Max. efficiency up to 98.3% and max EU efficiency upto 97.8%, more electricity generated.
- New topology design with high MPPT efficiency, for better utilization of PV panel .
- Wide operating voltage (180-1000 V).

➤ Multi Protection High Reliability

- IP65 design, better anticorrosive property and heat dispersion.
- Multi active and passive protection functions.
- Unique CAN BUS CHOKES design, working stably.

CE VDE 0126 VDE 4105 CEI 0-21 G98 EN 50438



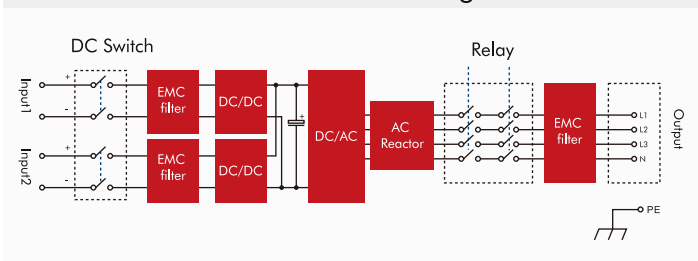
Web: www.heysolenergy.com
Tel: +91 97118 82204
E-mail: sales@heysolenergy.com
Add: Regus Centre Saket Pvt Ltd, Level4, Rectangle 1. Commercial Complex,
D4, Saket, New Delhi-110017, India.

Technical Data

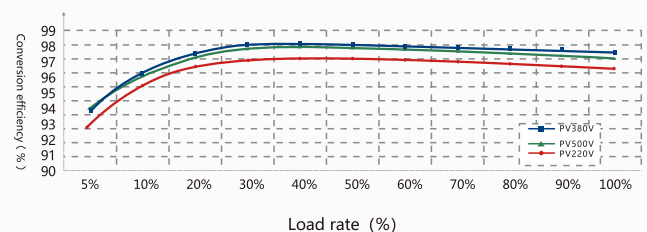
Model	HSOL-4K-T	HSOL-5K-T	HSOL-6K-T
Input (DC)			
Max. DC Input Power [W]	4800	6000	7200
Max. DC Voltage [V]	1000	1000	1000
Operating MPPT Voltage Range [V]	120-800	180-800	180-800
MPPT Voltage Range at Nominal Output [V]	190 - 800	240 - 800	285 - 800
Start up Voltage [V]	180	180	180
Turn off Voltage [V]	150	150	150
Max. DC Current [A]	A : 11 / B : 11	A : 11 / B : 11	A : 11 / B : 11
Number of MPP Trackers	A : 1 / B : 1	A : 1 / B : 1	A : 1 / B : 1
Number of DC Connections	A : 1 / B : 1	A : 1 / B : 1	A : 1 / B : 1
DC Connector	Amphenol connector		
Output (AC)			
Max. AC Output Power [W]	4400	5500	6600
Nominal AC Output Power [VA]	4000	5000	6000
Nominal AC Voltage [V]*		400	
AC Voltage Range [V]		340 - 440	
Nominal Frequency [Hz]*		50 / 60	
Frequency Range [Hz]		47.5~51.5 / 57.5~61.5	
Max. AC Current [A]	6.1	7.6	9.1
Power Factor		0.8i - 0.8c	
Total Harmonic Distortion (THD)		<3%	
AC Connector	Plug-in connector		
Efficiency			
Max. Efficiency		98.3%	
Euro Efficiency		97.8%	
MPPT Efficiency		99.9%	
Safety and Protection			
Array ground insulation resistance monitoring		Yes	
Array polarity reverse protection		Yes	
Output short circuit protection		Yes	
Anti-island protection		Yes	
Surge protection		Yes	
Protection Class		I	
Overtoltage Category		PV II / Mains III	
Physical Structure			
Dimensions (WxHxD) [mm]		400*430*180	
Weight [kg]		18	
Environmental Protection Rating		IP65	
Cooling		Natural convection	
DC Switch		Yes	
Mounting		Wall bracket	
General Data			
Operating Temperature Range [°C]		-25 ~ +60	
Relative Humidity		0 - 95%, no condensation	
Max. Altitude (above sea level) [m]		2000	
Noise Level [dB]		< 30	
Isolation Type		Transformerless	
Display		LCD	
Data Communication Interfaces		RS485 / WiFi / GPRS optional	
Warranty		5 / 10 Years	

※ The AC voltage and frequency range may vary depending on specific country grid.

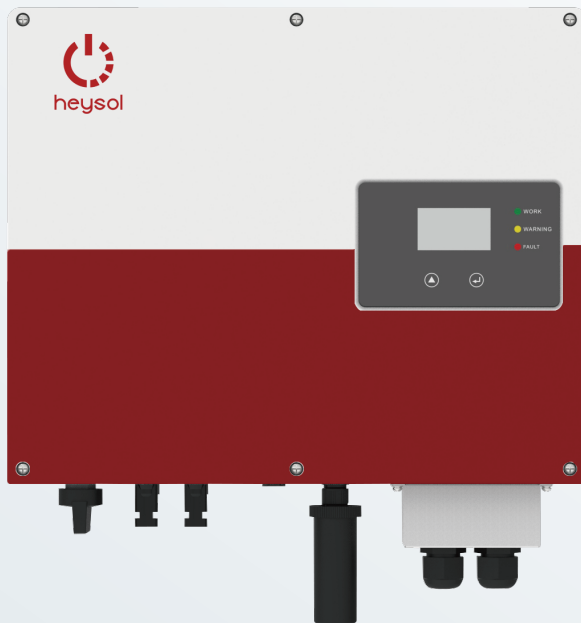
Circuit Block Diagram



Efficiency Curve



The Smartest Brain
For Your Solar PV System



Photovoltaic On-grid Inverter

HSOL-8K/10K/12K-T

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CE VDE 0126 VDE 4105 CEI 0-21 G98 EN 50438



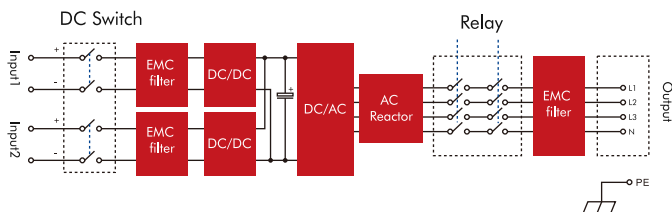
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Tel: +91 97118 82204
E-mail: sales@heysolenergy.com
Add: Regus Centre Saket Pvt Ltd, Level4, Rectangle 1. Commercial Complex,
D4, Saket, New Delhi-110017,India.

Technical Data

Model	HSOL-8K-T	HSOL-10K-T	HSOL-12K-T
Input (DC)			
Max. DC Input Power [W]	9600	12000	14400
Max. DC Voltage [V]	1100	1100	1100
Operating MPPT Voltage Range [V]	200-1000	200-1000	200-1000
MPPT Voltage Range at Nominal Output [V]	450 - 850	450 - 850	450 - 850
Start up Voltage [V]	250	250	250
Turn off Voltage [V]	200	200	200
Max. DC Current [A]	A : 11 / B : 11	A : 13 / B : 13	A : 13 / B : 13
Number of MPP Trackers	A : 1 / B : 1	A : 1 / B : 1	A : 1 / B : 1
Number of DC Connections	A : 1 / B : 1	A : 1 / B : 1	A : 1 / B : 1
DC Connector	Amphenol connector		
Output (AC)			
Max. AC Output Power [W]	8800	11000	13200
Nominal AC Output Power [VA]	8000	10000	12000
Nominal AC Voltage [V]*		400	
AC Voltage Range [V]		340 - 440	
Nominal Frequency [Hz]*		50 / 60	
Frequency Range [Hz]		47.5~51.5 / 57.5~61.5	
Max. AC Current [A]	13	17	20
Power Factor		0.8i - 0.8c	
Total Harmonic Distortion (THD)		< 3%	
AC Connector	Plug-in connector		
Efficiency			
Max. Efficiency		98.3%	
Euro Efficiency		97.8%	
MPPT Efficiency		99.9%	
Safety and Protection			
Array ground insulation resistance monitoring		Yes	
Array polarity reverse protection		Yes	
Output short circuit protection		Yes	
Anti-island protection		Yes	
Surge protection		Yes	
Protection Class		I	
Overvoltage Category		PV II / Mains III	
Physical Structure			
Dimensions (WxHxD) [mm]		463*435*200	
Weight [kg]		23.5	
Environmental Protection Rating		IP65	
Cooling		Natural convection	
DC Switch		Yes	
Mounting		Wall bracket	
General Data			
Operating Temperature Range [°C]		-25 ~ +60	
Relative Humidity		0 - 95%, no condensation	
Max. Altitude (above sea level) [m]		2000	
Noise Level [dB]		< 30	
Isolation Type		Transformerless	
Display		LCD	
Data Communication Interfaces		RS485 / WiFi / GPRS optional	
Warranty		5 / 10 Years	

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Circuit Block Diagram



Efficiency Curve

