

PV Input Data	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
Max. DC Power (W)	9800	11200	12600	14000
Max. DC Voltage (V)	600			
MPPT Voltage Range (V)	70-550			
MPPT Full Power Voltage Range (V)	220-550			
Rated Input Voltage (V)	360			
Start-up Voltage (V)	70			
Max. Input Current (A)	14+26		26+26	
Max. Short Current (A)	18+35		35+35	
No. of MPP Tracker / No. of PV String	2/3		2/4	
Input Connector Type	MC4			
AC Output Data	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
Max. Output Power (VA)	7000	8000	9000	10000
Nominal Output Power (W)	7000	8000	9000	10000
Max. Output Current (A)	33.6	38.3	45	50
Nominal Output Voltage (V)	L/N/PE, 220Vac, 230Vac, 240Vac			
Grid Voltage Range	180Vac-276Vac (According to local standard)			
Nominal Output Frequency (Hz)	50/60			
Grid Frequency Range	45-55Hz/54-66Hz (According to local standard)			
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)			
Output Current THD	<3%			
Efficiency	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
Max. Efficiency	98.20%	98.20%	98.32%	98.40%
Euro Efficiency	97.95%	98.00%	98.00%	98.10%
Protection	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
PV Reverse Polarity Protection	YES			
PV Insulation Resistance Detection	YES			
AC Short Circuit Protection	YES			
AC Over Current Protection	YES			
AC Over Voltage Protection	YES			
Anti-Islanding Protection	YES			
Residual Current Detection	YES			
Over Temperature Protection	YES			
Integrated DC switch	YES			
Surge Protection	Integrated (Type III)			
Smart IV Curve Scanning	YES			
Quick Arc Fault Circuit Interruption	Optional			
General Data	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
Dimensions (W x H x D, mm)	370 x 510 x 192		370 x 535 x 192	
Weight (kg)	17		18	
Protection Degree	IP65			
Enclosure Material	Aluminum			
Ambient Temperature Range (°C)	-25 to 60			
Humidity Range	0-100%			
Topology	Transformerless			
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)			
Cooling Concept	Convection		Intelligent fan cooling	
Noise Emission (db)	<40			
Night Power Consumption (W)	<1			
Max. Operation Altitude (m)	4000			
Certifications and Standards	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12			
Safety Standard	IEC 60068, UL1741, EN62109			
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727			