

# Datasheet of HNS Series

Model	HNS3000TL	HNS3600TL	HNS4000TL	HNS5000TL6	HNS5000TL	HNS6000TL	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL	
<b>PV Input Data</b>											
Max. DC Power (W)	4500	5400	6000	7000	7000	8400	9800	11200	12600	14000	
Max. DC Voltage (V)	600										
MPPT Voltage Range (V)	70-550										
Min. Operating DC Voltage (V)	70										
Start-up Voltage (V)	70										
Max. Input Current (A)	14 x 2	14 x 2	14 x 2	14 x 2	14 x 2	14 x 2	14+26	14+26	26 x 2	26 x 2	
Max. Short Current (A)	18 x 2	18 x 2	18 x 2	18 x 2	18 x 2	18 x 2	18+35	18+35	35 x 2	35 x 2	
Number MPP Trackers	2	2	2	2	2	2	2	2	2	2	
Number Input Strings	1/1	1/1	1/1	1/1	1/1	1/1	1/2	1/2	2/2	2/2	
<b>AC Output Data</b>											
Max. Output Power (VA)	3000	3600	4000	5000	5000	6000	7000	8000	9000	10000	
Rated Output Apparent Power (VA)	3000	3600	4000	5000	5000	6000	7000	8000	9000	10000	
Rated Output Current (A)	13.1	15.7	17.4	21.8	21.8	26.1	30.5	34.8	39.2	43.5	
Max. Output Current (A)	15	17.5	20	24	24	28.7	33.6	38.3	45	50	
Nominal Output Voltage (V)	L/N/PE, 220Vac, 230Vac, 240Vac										
Nominal Output Frequency (Hz)	50										
Output Power Factor	1 (-0,8~+0,8 adjustable)										
Max. Efficiency	98.20%	98.20%	98.20%	98.20%	98.20%	98.20%	98.20%	98.20%	98.32%	98.40%	
<b>others</b>											
Protective Class	Class I										
Protection Degree (IP)	IP 65										
Ambient Temperature Range (°C)	-25°C to +60°C (Derating 45°C)										
Inverter Isolation	Non-isolated										
Overvoltage Category	OVC III (AC Main), OVC II (PV)										
Max. Operation Altitude (m)	4000										
Weight (kg)	10			12			17			18	
Dimensions (WxHxD) (mm)	358×360×142				340x345x170			510 x 370 x 192			535 x 370 x 192