

DHN-SU600D-G0/B0

DHN-SU800D-G0/B0

DHN-SU920D-G0

DHN-SU1K5T-G0



Innovative Design of MicroInverter

# Technical Specifications

Model	DHN-SU600D-G0/B0		DHN-SU800D-G0/B0		DHN-SU920D-G0	DHN-SU1K5T-G0	
<b>DC input</b>							
Maximum input voltage (V)	420					450	
MPPT voltage range (V)	120-360	70-300	120-360	70-300	120-360		
Start-up voltage (V)	50	40	50	40	50		
Rated input voltage (V)	190		200		240	320	
Input grid connected voltage (V)	180						
Input off grid voltage (V)	160						
Full load input voltage range (V)	134-360	134-300	178-360	178-300	200-360	300-360	
Input overvoltage protection value (V)	410					435	
Maximum input current (A)	4.5				4.2	5.2	
Maximum input short-circuit current (A)	4.6					5.7	
Maximum allowable current of input terminal (A)	6.5						
<b>AC output</b>							
Rated output power (VA)	600		800		920	1500	
Rated output voltage (V)	220/230						
Rated output frequency (Hz)	50/60						
Maximum AC output current (A)	3.0	4.0		4.2		6.82	
Power factor	> 0.99 (0.9 leading...0.9 lagging)						
Total harmonic distortion	< 3%		< 2%		< 3%		
Grid voltage range (Vac)	180-270 (According to safety regulations)						
<b>Efficiency</b>							
Peak efficiency	97.10%		97.16%		97.20%	97.55%	
CEC Weighted Efficiency	97.00%		97.02%		97.05%	97.16%	
Chinese efficiency	97.10%		97.16%		97.20%	97.50%	
MPPT efficiency	> 99.95%						
<b>Basic parameters</b>							
Ambient Temperature (°C)	-40~65						
Cooling	Self cooling						
Communication	Wifi/PLC	Wifi	Wifi/PLC	Wifi	Wifi/PLC		
Weight (Kg)	1.8	1.6	1.8	1.6	1.8		
Size (W×H×Dmm)	412×97×42.5	372×99×43	412×97×42.5	372×99×43	412×97×42.5		
Topology	Non-Isolated						
Night power consumption (W)	0						
Ingress Protection	IP65						
Protective class	I						
<b>Certification standards</b>							
Certifications	NBR16149/NBR16150						
	VDE AR-N 4105: 2018-11						
	NBT 32004-2018						
Compliance	IEC/EN 62109-1/-2						
	IEC/EN 61000-6-1/-2/-3/-4						
	IEC/EN 61000-3-2/-3						
Warranty	10 years						