

SolarUnit —

The World's
First Integrated
PV System

DAH-SU920D



Integrated System Design

- Modular design of solar system, convenient installation, lower BOS cost
- Each unit operates independently, unrestricted installation angle, more capacity on complex roofs



High System Generation

- Integrated system solution, perfect match between module and inverter, higher system efficiency
- Module-level MPPT, greatly improve power generation of PV system



Innovative Module Technology

- 1/3 cut low current module, less heat loss, better low light performance, system generation increased by around 3%
- Global patented Full-Screen module, decrease 6-15% power loss caused by dust accumulation



Leading Inverter Technology

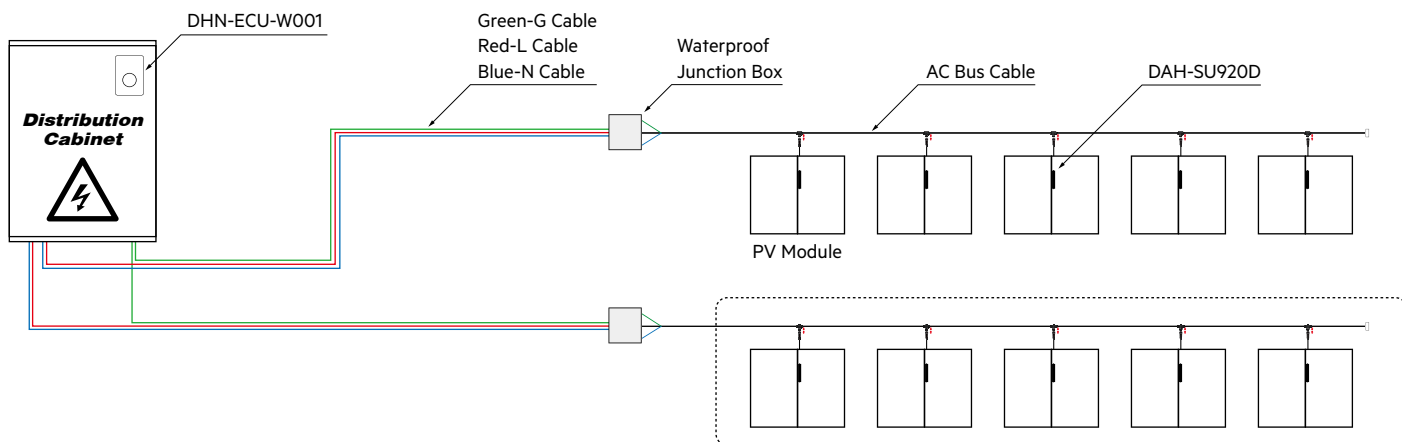
- Innovative contravariant scheme due to perfect match with low current module, peak efficiency 97.2%
- The latest semiconductor technology, higher conversion efficiency, smaller inverter size, less consumption



Improved Safety Assurance

- Lower risk of arcing due to lower system current, greatly reduce safety hazards
- Remote monitoring and rapid shutdown through Intelligent cloud platform

System Application



Configuration list

SYSTEM LAYOUT	DAH-SU920D-920W	DAH-SU920D-1100W
Recommended PV Module Power (STC) Range	460W	550W
Max. Units	6 Units	6 Units
AC Bus Cable Current-carrying	28A/1pcs	28A/1pcs
UNIT DATA		
Max. Output Power	920VA	920VA
Grid Voltage	230V/220V(180V-270V), L+N+PE	230V/220V(180V-270V), L+N+PE
Output Frequency Range	50/60Hz±5Hz	50/60Hz±5Hz
Max Output Current	4.2A	4.2A
Power Factor(Default/Adjustable)	0.9leading...0.9lagging	0.9leading...0.9lagging
Output Current Total Harmonic Distortion	< 3%	< 3%
Peak Efficiency	97.20%	97.20%
CEC Weighted Efficiency	97.05%	97.05%
MPPT Efficiency	> 99.95%	> 99.95%
Night Power Consumption	0W	0W
FEATURES		
Operating Ambient Temperature Range	-40°C ~ +65°C	-40°C ~ +65°C
Storage Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C
Protection	IP65	IP65
Cooling	Natural Convection-No fans	Natural Convection-No fans
Microinverter Size (H x W x D)	412mm×97mm×42.5mm	412mm×97mm×42.5mm
Microinverter Weight	1.8kg	1.8kg
System Size (H x W x D)	1903×1134×32mm (X2)	2279×1134×32mm (X2)
System Weight	49.8kg	59.8kg
Noise	< 10db	< 10db
Communication	Wifi/PLC	Wifi/PLC
Operational Platform	DAH Smart Cloud Platform	DAH Smart Cloud Platform
System Integration	Integration of System and Module	Integration of System and Module
Warranty	12 years	12 years
Certificates	ABNT NBR 16150,VDE-AR-N 4105: 2018	ABNT NBR 16150,VDE-AR-N 4105: 2018
	TOR Erzeuger Typ A V1.2,NB/T32004-2018	TOR Erzeuger Typ A V1.2,NB/T32004-2018
	IEC/EN 62109-1/-2	IEC/EN 62109-1/-2
	IEC/EN 61000-6-1/-2/-3/-4	IEC/EN 61000-6-1/-2/-3/-4
	IEC/EN 61000-3-2/-3	IEC/EN 61000-3-2/-3