



## SolarUnit — DAH-SU2KBD

(1 Microinverter with 4 Modules)

The World's First Integrated PV System



### Innovative Integrated System for Faster Installation

- Integrated system with factory pre-installed microinverters, design-free, more convenient installation, more labor-saving.
- Each unit operates independently without installation angle restriction, increasing the installed capacity on complex roofs.



### Unique System Solution for Higher Power Generation

- Perfect matching of modules and microinverters, higher system power generation efficiency.
- Innovative inverter solution, peak conversion efficiency of 97.6% with the third generation semiconductor GAN technology, smaller microinverter size, less consumption.
- Combines the cost-effective advantages of string microinverters and the merits of traditional microinverters in safety, flexibility and high electricity generation.



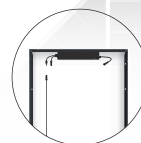
### AFCI Arc Fault Detection for Better Safety and Security

- Equipped with AFCI arc fault detection shutdown function, accurately identifying potential arc faults to ensure the safety of the system application.
- Remote monitoring and quick shutdown through intelligent cloud platform.



### Full-screen Module Technology, Less Power Generation Loss

- Global patented Full-Screen Module prevents dust accumulation, reduces power generation loss caused by dust accumulation compared to traditional modules, increases power generation by 6-15%.
- No frame blocking on the front side of the module, cleaner from rainwater, lower operation and maintenance costs.



Microinverters  
Pre-installed

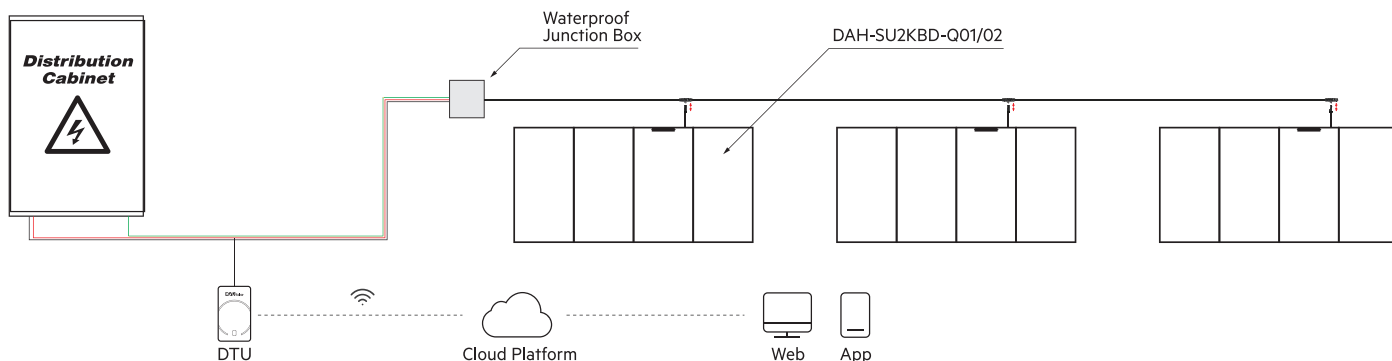


Innovative Designn  
Microinverters



Full-Screen  
PV Module

# System Application



## Configuration List

SYSTEM LAYOUT		DAH-SU2KBD-Q01	DAH-SU2KBD-Q02
Adapted PV Module Power		610W×4	620W×4
DC INPUT			
Maximum Input Voltage		470V	
MPPT Voltage Range		70~400V	
Maximum Input Current		7.5A	
Start-up voltage		50V	
AC OUTPUT			
Rated Output Power		2000VA	
Nominal Output Voltage/Range*		220/230V(180~270V)	
Nominal Frequency/Range*		50/60Hz(47~63Hz)	
Maximum Output Current		9.09/8.70A	
Power Factor(Default/Adjustable)		> 0.99(0.9 leading...0.9 lagging)	
Total Harmonic Distortion		<3%	
Max.Units**		3 (10AWG)	
EFFICIENCY			
Peak Efficiency		97.60%	
European Efficiency		96.94%	
Static MPPT Efficiency		>99.9%	
Night Power Consumption		0W	
BASIC PARAMETERS			
Ambient Temperature Range		-40°C~-+70°C	
Storage Temperature Range		-40°C~-+85°C	
Ingress Protection		IP67	
Cooling		Natural cooling	
Microinverter Size(W×H×D)		420×112×44mm	
Microinverter Weight		2.62kg	
System Size(L×W×T)		2382×1134×32mm(×4)	
System Weight		131.82 kg	
Noise		<10dB	
Communication		Wifi/PLC	
Operational Platform		DAH Smart Cloud Platform	
System Integration		Integration of System and Module	
PV Module Warranty		12 years for Mateial&Technology /30 years for Linear Power Output	
Microinverter Warranty		12 years	
Certificates		Ordinance No.515	
IEC/EN 62109-1/-2 IEC/EN 61000-6-1/-3			

Note: \* The rated voltage/frequency range can be changed according to the requirements of the local power authority.

\*\* Refer to local electrical code requirements to determine the number of microinverters that can be connected to each branch.