

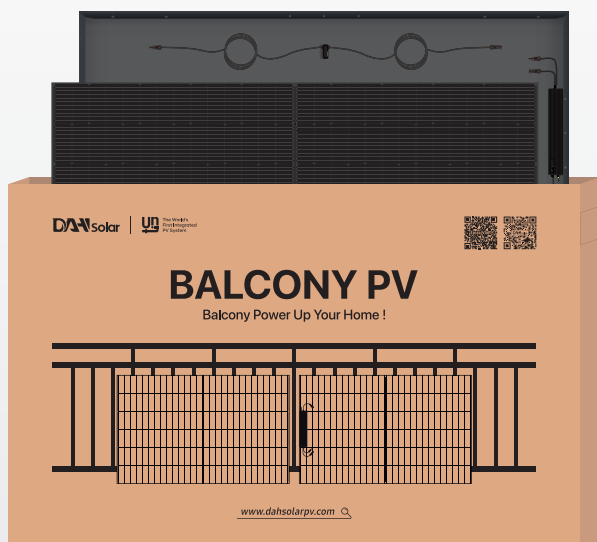
SolarUnit All-in-one Integrated Packaging

DAH-SU800D 

The World's First Integrated PV System



Balcony PV



Product Packaging Diagram



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 microinverter, higher system efficiency
- Module-level MPPT, greatly improves power generation of PV system



Innovative Module Technology

- Low current module with 1/3 cut solar cells, less heat loss, better low light performance, system generation increased by around 3%
- Global patented Full-Screen PV Module, decreases 6-15% power loss caused by dust accumulation



Leading Microinverter Technology

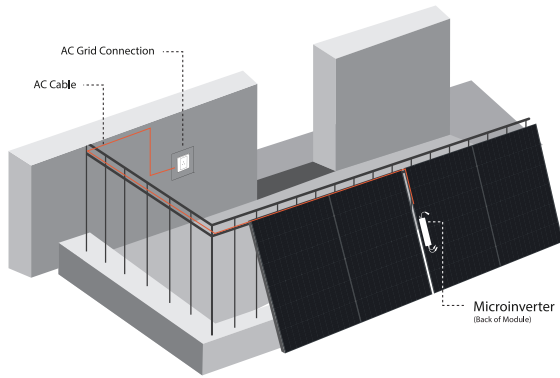
- Innovative contravariant scheme due to perfect match with low current module, peak efficiency above 97.16%
- The latest semiconductor technology, higher conversion efficiency, smaller inverter size, less consumption



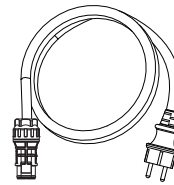
Improved Safety Assurance

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

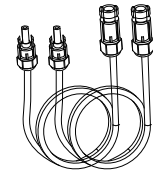
System Configuration



System



AC Bus



DC Cable
(optional)

Accessories

Configuration list

SYSTEM LAYOUT

DAH-SU800D

Unit	1 Unit	1 Unit
Recommended PV Module Power (STC) Range	420W (PERC)	440W (N-TOPCon)
AC Bus Cable Current-Carrying	8A/1pcs	8A/1pcs

UNIT DATA

Max. Output Power	800VA	800VA
Grid Voltage	220V/230V, L+N+PE	220V/230V, L+N+PE
Output Frequency Range	50/60Hz	50/60Hz
Max Output Current	4.0A	4.0A
Power Factor (Default/Adjustable)	1 (±0.9 adjustable)	1 (±0.9 adjustable)
Output Current Total Harmonic Distortion	< 2%	< 2%
Peak Efficiency	97.16%	97.16%
CEC Weighted Efficiency	96.28%	96.28%
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	IP66	IP66
Cooling	Natural Convection-No Fans	Natural Convection-No Fans
Microinverter Size (H x W x D)	372×99×43mm	372×99×43mm
Microinverter Weight	1.8kg	1.8kg
System Size (H x W x D)	1766×1132×32mm (X2)	1766×1132×32mm (X2)
System Weight	46.8kg	46.8kg
Noise	< 10dB	< 10dB
Communication	Wifi	Wifi
Operational Platform	DAH Smart Cloud Platform	DAH Smart Cloud Platform
System Integration	Integration of System and Module	Integration of System and Module
Warranty	10 years	10 years
Certificates	NBR16149/NBR16150 VDE AR-N 4105: 2018-11 NBT 32004-2018 TOR Erzeuger Typ A V1.2 EN 50549-1:2019 CEI 0-21_2022	NBR16149/NBR16150 VDE AR-N 4105: 2018-11 NBT 32004-2018 TOR Erzeuger Typ A V1.2 EN 50549-1:2019 CEI 0-21_2022
	IEC/EN 62109-1/-2 IEC/EN 61000-6-1/-2/-3/-4 IEC/EN 61000-3-2/-3	IEC/EN 62109-1/-2 IEC/EN 61000-6-1/-2/-3/-4 IEC/EN 61000-3-2/-3