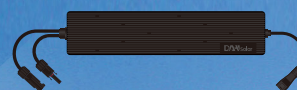


SolarUnit All-in-one Integrated Packaging

DAH-SU800D

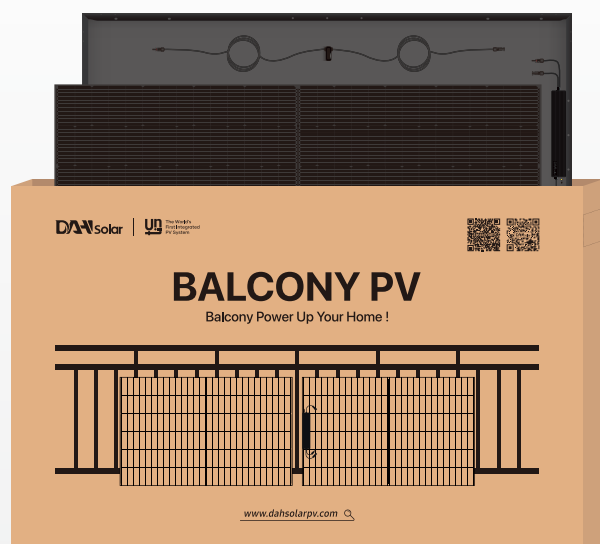


The World's First Integrated PV System



Microinverter

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

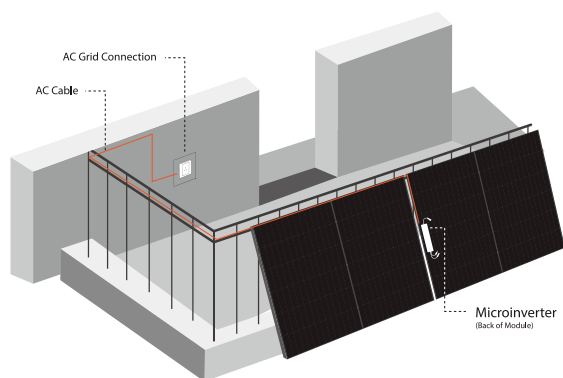
- Innovative contravariant scheme due to perfect match with low current module, peak efficiency above 97.16%
- The latest semiconductor technology, higher conversion efficiency, smaller inverter size, less consumption



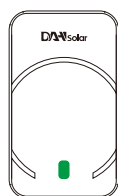
Improved Safety Assurance

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

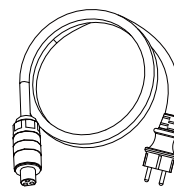
System Configuration



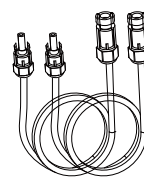
System



DTU



AC Bus



DC Cable
(optional)

Accessories

Configuration list

SYSTEM LAYOUT

DAH-SU800D

Recommended PV Module Power (STC) Range	420W×2 (PERC)	440W×2 (N-TOPCon)
AC Bus Cable Current-Carrying	8A/1pcs	8A/1pcs

UNIT DATA

Max. Output Power	800VA	800VA
Grid Voltage	220V/230V (180V~270V), L+N+PE	220V/230V (180V~270V), L+N+PE
Nominal Frequency/Range	50Hz (45~55Hz), 60Hz (55~65Hz)	50Hz (45~55Hz), 60Hz (55~65Hz)
Max Output Current	4.0A	4.0A
Power Factor (Default/Adjustable)	0.9 Leading...0.9 Lagging	0.9 Leading...0.9 Lagging
Output Current Total Harmonic Distortion	< 2%	< 2%
Peak Efficiency	97.16%	97.16%
CEC Weighted Efficiency	97.02%	97.02%
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×99mm×43mm	412mm×99mm×43mm
Microinverter Weight	2.0kg	2.0kg
System Size (H x W x D)	1766×1132×32mm (×2)	1766×1132×32mm (×2)
System Weight	47kg	47kg
Noise	< 10dB	< 10dB
Communication	Wi-Fi/PLC	Wi-Fi/PLC
Operational Platform	DAH Smart Cloud Platform	DAH Smart Cloud Platform
System Integration	Integration of System and Module	Integration of System and Module
PV Module Warranty	25 years for Mateial&Technology / 30 years for Linear Power Output	
Inverter Warranty	12 years	12 years
Grid-connected Certification	TOR Erzeuger Typ A V1.2 VDE AR-N 4105-2018-11 EN 50549-1:2019+PPDS	TOR Erzeuger Typ A V1.2 VDE AR-N 4105-2018-11 EN 50549-1:2019+PPDS
Safety Certification	IEC/EN 62109-1/2	IEC/EN 62109-1/2
EMC Certification	IEC/EN 61000-6-1/-2/-3/-4 IEC/EN 61000-3-2/-3	IEC/EN 61000-6-1/-2/-3/-4 IEC/EN 61000-3-2/-3