

DWH-8K~15K-LSPUS-S

Split Phase
3 MPPTs Hybrid Inverter

5-Year Warranty



Features



275A Max. Charge/Discharge
for Heavy Loads



<10ms UPS-Level Switching
for Backup Power



Dual AC Ports: Grid &
Generator / Smart Load with
Programmable Control



AC-Coupling Ready
Retrofit Without Rebuild



3-Phase Support
Parallel up to 8 Units



200A Bypass Current Ensures
Safe Peak Load Use

TECHNICAL SPECIFICATION

Model	DWH-8K-LSPUS/ DWH-8K-LSPUS-S	DWH-10K-LSPUS / DWH-10K-LSPUS-S	DWH-12K-LSPUS / DWH-12K-LSPUS-S	DWH-15K-LSPUS / DWH-15K-LSPUS-S
INVERTER INPUT/OUTPUT (GRID)				
Rated Power (kW)	8	10	12	15
Rated Voltage (V a.c.)	120/240 (Split Phase),208 (2/3Phase)			
Rated Frequency (Hz)	60			
Power Factor Range	0.8 leading~0.8 lagging			
Switch Time (ms)	<10			
Max. Input Current (A a.c.)	200			
Max. Output Current (A a.c.)	33.4	41.7	50	62.5
Max. Output Overcurrent Protection	250 V a.c./125 A a.c.			
GEN Max. Input Current (Aa.c.)	80			
BATTERY				
Battery Type	Lithium /Lead-acid			
Battery Voltage Range (V d.c.)	40~60			
Rated Battery Voltage (V d.c.)	51.2			
Max. Charge Current (A d.c.)	167	210	250	275
Max. Discharge Current (A d.c.)	167	210	250	275
Reverse Connect Protection	Yes			
PV INPUT				
No. of MPPT Tracker/Strings	3/2+2+2	3/2+2+2	3/2+2+2	3/2+2+2
Max. PV Array Power (kW)	12	15	18	22.5
Max. DC Voltage (V d.c.)	550			
MPPT Voltage Range (V d.c.)	100~500			
Start-up Voltage (V d.c.)	120			
Max. Input Current (A d.c.)	26+26+26			
Isc PV (Absolute Maximum) (A d.c.)	39			
AC OUTPUT (EPS)				
EPS Rated Output Voltage (V a.c.)	120/240 (Split Phase),208 (2/3Phase)			
EPS Rated Output Frequency (Hz)	60			
EPS Rated Output Active Power (kW)	8	10	12	15
EPS Rated Output Apparent Power (kVA)	8	10	12	15
EPS Rated Output Current (A a.c.)	33.4	41.7	50	62.5
Overload Capacity (Off Grid)	200% 10s			
Smart Load Rated Output Power (kW)	8	10	12	15
EFFICIENCY				
MPPT Efficiency	99.50%			
California-efficiency	96.50%			
Max. Efficiency	97.50%			
PROTECTION&FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	NEMA 4X			
Certifications	UL1741, FCC Part 15B, UL1547, UL1998, UL1699B, HECO SRD 2.0, CEC efficiency			
Other Protection	Overload, Over temperature, Short circuit, Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25°C~-60°C(-13°F~+140°F)			
Operating Temperature	-25°C~+60°C (-13°F~+140°F),>+45°C (+113° F) Derating to 60%			
Humidity	0~95% (Non-condensing)			
Operating Altitude (m)	4000 (>2000 Derating)			
Noise (dB)	<45			
Warranty (year)	5			
Machine Dimensions(W*H*D) (mm)	522*826*265.5			
Machine Weight/N.W. (kg)	50			
DISPLAY&COMMUNICATION				
Display	App+ LED/ LCD (–S version)			
Interface	RS485/ WiFi/ CAN (Optional: Bluetooth /LAN /4G / Meter)			

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.