

DWH-8K~24K-LP3EU-S

Three Phase
2 MPPTs Hybrid Inverter

5-Year Warranty

Low Voltage Residential Hybrid Inverter



Features



Extreme Climate Adaptability

Full-load operation, 45°C without derating



High Battery Compatibility

Max. 415A charge/discharge, supports three battery inputs



Wide Grid Adaptability

154V-286V phase voltage input, 50/60Hz auto-adaptation, built-in SPD



High Surge & Unbalanced Output

2X load surge for 10s, 150% three-phase unbalanced output



Flexible System Expansion

Up to 8 units parallel, supports AC coupling for retrofit



SiC +Full Aluminum +IP66

High efficiency, lightweight, IP66 protection

TECHNICAL SPECIFICATION

Model	DWH-8K-LP3EU-S	DWH-10K-LP3EU-S	DWH-12K-LP3EU-S	DWH-15K-LP3EU-S	DWH-18K-LP3EU-S	DWH-20K-LP3EU-S	DWH-24K-LP3EU-S
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INVERTER INPUT/OUTPUT (GRID)

Rated Power (kW)	8/8	10/10	12/12	15/15	18/18	20/20	24/24
Rated Voltage (V a.c.)	380/400,3W+N+PE						
Rated Frequency (Hz)	50/60						
Power Factor Range	0.8 leading-0.8 lagging						
Switch Time (ms)	<20						
Current (Maximum Continuous) (A a.c.)	24/12	29/15	35/17	43/22	52/26	58/29	60/35
Max. Output Overcurrent Protection	400 V a.c. / 100 A a.c.						

BATTERY

Battery Type	Lithium/Lead-acid						
Battery Voltage Range (V d.c.)	40~60						
Rated Battery Voltage (V d.c.)	51.2				48		
Max. Charge Current (A d.c.)	180	220	250	315	375	390	415
Max. Discharge Current (A d.c.)	180	220	250	315	375	390	415

PV INPUT

No. of MPPT Tracker/Strings	2/2+2						
Max. PV Array Power (kW)	16	20	24	30	36	40	48
Max. DC Voltage (V d.c.)	1000						
MPPT Voltage Range (V d.c.)	150~950 V d.c.						
Start-up Voltage (V d.c.)	180						
Max. Input Current (A d.c.)	4*20						
Isc PV (Absolute Maximum) (A d.c.)	4*30						

AC OUTPUT (EPS)

EPS Rated Output Voltage (V a.c.)	380/400,3W+N+PE						
EPS Rated Output Frequency (Hz)	50/60						
EPS Rated Output Active Power (kW)	8	10	12	15	18	20	24
EPS Rated Output Apparent Power (kVA)	8	10	12	15	18	20	24
EPS Rated Output Current (A a.c.)	12	15	17	22	26	29	35
Overload Capacity (Off Grid)	110% 600s/120% 300s/150% 60s/200% 10s						

EFFICIENCY

MPPT Efficiency	99.90%						
Euro-efficiency	97.00%			97.20%			
Max. Efficiency	97.50%			98.00%			

PROTECTION&FEATURE

Insulation Monitoring	Yes						
Residual Current Monitoring	Yes						
Parallel Function	Yes						
Protection Degree	IP66						
Certifications	IEC62109-1/2,IEC 62477-1,IEC 61000-6-1,IEC 61000-6-3,EN 50549-1&-10, NRS 097-2-1, IEC61727,IEC 61683,IEC 62116						
Other Protection	Output over voltage, Output over current, Short circuit, Surge, Temperature, Anti-islanding						

GENERAL PARAMETER

Storage Temperature	-25°C~+60°C	
Operating Temperature	-25°C- +60°C (Linely derating to 60% when exceed +45°C - +60°C)	
Humidity	0-95% (Non-condensing)	
Altitude (m)	4000 (>2000 Derating)	
Noise (dB)	<65	<75
Warranty (year)	5	
Machine Dimensions(W*H*D) (mm)	448*660*265	
Machine Weight/N.W. (kg)	45	48

DISPLAY&COMMUNICATION

Display	LCD+APP						
Interface	RS485/WiFi/CAN/DRM (Optional:Bluetooth/LAN/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.