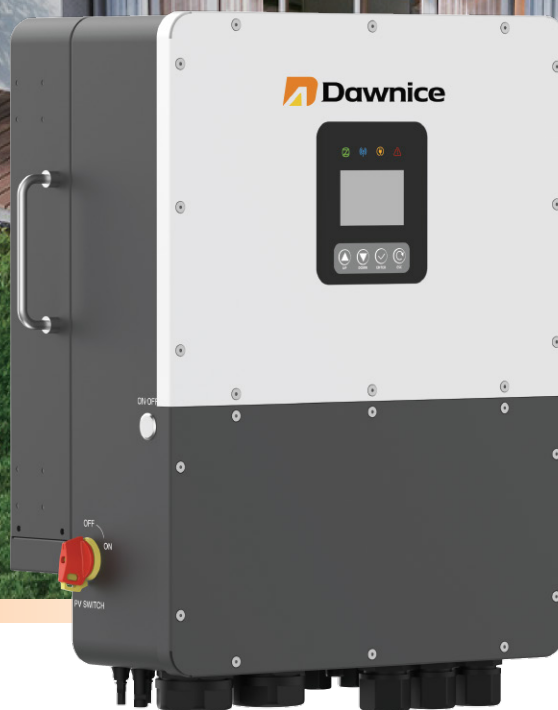


DWH-10~16K-LP1EU-S

Single Phase
3 MPPTs Hybrid Inverter

5-Year Warranty

Low Voltage Residential Hybrid Inverter



Features



Max.275A Charge/Discharge
for High-Rate Battery Support



3 MPPTs with 150% PV
Oversizing for Higher Yield



Wide MPPT Range (120-480V)
for Complex Rooftop Design



Supports Generator & Smart
load, Parallel up to 6 Units



<10ms UPS-Level Switching
for Critical Load Continuity



AC Coupling Ready for Easy
Retrofit and System Upgrade

TECHNICAL SPECIFICATION

Model	DWH-10K-LP1EU-S	DWH-12K-LP1EU-S	DWH-14K-LP1EU-S	DWH-16K-LP1EU-S
INVERTER INPUT/OUTPUT (GRID)				
Rated Power (kW)	10	12	14	16
Rated Voltage (V a.c.)	220/230/240,L+N+PE			
Rated Frequency (Hz)	50/60			
Power Factor Range	0.8 leading~0.8 lagging			
Switch Time (ms)	<10			
Current (Maximum Continuous) (A a.c.)	43.5	52.2	60.9	69.6
Max. Output Overcurrent Protection (A a.c.)	100			
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.)	220	250	275	275
Max. Discharge Current (A d.c.)	220	250	275	275
Reverse Connect Protection	Yes			
PV INPUT				
No. of MPPT Tracker/Strings	3 / 2+2+2			
Max. PV Array Power (kW)	15	18	21	22.5
Max. DC Voltage (V d.c.)	550			
MPPT Voltage Range (V d.c.)	120~480			
Start-up Voltage (V d.c.)	120			
Max. Input Current (A d.c.)	3*26			
Isc PV (Absolute Maximum) (A d.c.)	3*39			
AC OUTPUT (EPS)				
EPS Rated Output Voltage (V a.c.)	220/230/240,L+N+PE			
EPS Rated Output Frequency (Hz)	50/60			
EPS Rated Output Active Power (kW)	10	12	14	16
EPS Rated Output Apparent Power (kVA)	10	12	14	16
EPS Rated Output Current (A a.c.)	43.5	52.2	60.9	69.6
Overload Capacity (Off Grid)	200% (<10s)/150%(<60s)			
EFFICIENCY				
MPPT Efficiency	99.90%			
Euro-efficiency	96.50%			
Max. Efficiency	97.30%			
PROTECTION&FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP65			
Certifications	IEC62109-1/2,IEC62477-1,IEC61000-6-1,IEC61000-6-3,EN 50549-1&-10, NRS097-2-1,ABNT NBR 16149,IEC61727,IEC61683, IEC62116 etc.			
Other Protection	Output over voltage, Output over current, Short circuit, Surge, Temperature			
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	0~100% (Non-condensing)			
Altitude (m)	4000 (>2000 Derating)			
Noise (dB)	<50			
Warranty (year)	5			
Machine Dimension(W*H*D) (mm)	466*600*252			
Machine Weight/N.W. (kg)	40			
DISPLAY&COMMUNICATION				
Display	LCD+APP			
Interface	RS485/WiFi/CAN/Bluetooth (Optional: 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.