

DWH-8~10K-LP1EU-SC

Single Phase
2 MPPTs Hybrid Inverter

5-Year Warranty

Low Voltage Residential Hybrid Inverter



Features



1.5X PV Oversizing, Supports
Battery Charging at Full Load



Dual MPPTs with 4 PV Strings,
Up to 550V per String



<10 ms On-grid/Off-grid
Switching for Backup Power



Max. 200A Charge/Discharge
for High-capacity Battery Cells



150% Peak Load Capability
for Demanding Applications



IP65-rated LCD, Supports
Real-time Monitoring via App

TECHNICAL SPECIFICATION		
Model	DWH-8K-LP1EU-SC	DWH-10K-LP1EU-SC
INVERTER INPUT/OUTPUT (GRID)		
Rated Power (kW)	8	10
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.)	34.8	43.5
Max. Output Overcurrent Protection	250 Va.c. / 100 Aa.c.	
BATTERY		
Battery Type	Lithium/Lead-acid	
Battery Voltage Range (V d.c.)	45~58	
Rated Battery Voltage (V d.c.)	51.2	
Max. Charge Current (A d.c.)	180	200
Max. Discharge Current (A d.c.)	180	200
Reverse Connect Protection	Yes	
PV INPUT		
No. of MPPT Tracker/Strings	2 / 2+2	
Max. PV Array Power (kW)	12	15
Max DC Voltage (V d.c.)	550	
MPPT Voltage Range (V d.c.)	120~500	
Start-up Voltage (V d.c.)	120	
Max. Input Current (A d.c.)	26/26	
Isc PV (Absolute Maximum) (A d.c.)	34/34	
AC OUTPUT (EPS)/GENERATOR		
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)	8	10
EPS Rated Output Apparent Power (kVA)	8	10
EPS Rated Output Current (A a.c.)	34.8	43.5
Overload Capacity (Off Grid)	110%,600s/120%,10s/150%,0.02s	
EFFICIENCY		
MPPT Efficiency	99.20%	
Euro-efficiency	96.50%	
Max. Efficiency	97.00%	
PROTECTION&FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	Yes	
Protection Degree	IP65	
Other Protection	Over voltage, Over current, Over temperature, Short circuit, Active anti-islanding etc.	
GENERAL PARAMETER		
Storage Temperature	-25°C~+60°C	
Operating Temperature	-25°C~+60°C (Linely derating to 10% when exceed +45°C~ +60°C)	
Humidity	0~95% (Non-condensing)	
Altitude (m)	2000 (>2,000 Derating)	
Noise (dB)	<60	
Warranty (year)	5	
Machine Dimensions(W*H*D) (mm)	361*545*222	
Machine Weight/N.W. (kg)	25	
DISPLAY&COMMUNICATION		
Display	LCD+APP	
Interface	RS485 / CAN / WiFi / Bluetooth	

- 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.