

DWH-8~12K-HP3EU

Three Phase
2 MPPTs Hybrid Inverter

5-Year Warranty

High Voltage Residential Hybrid Inverter



Features



<10ms UPS Function for
Uninterrupted Power



100% Unbalanced Load
Support



Flexible 125-800V
Battery Input



Smart Energy Management &
Multiple Operating Modes



1.5X PV Oversizing



IP65-rated Fanless
Outdoor-ready Design

TECHNICAL SPECIFICATION				
Model	DWH-8K-HP3EU		DWH-10K-HP3EU	DWH-12K-HP3EU
INVERTER INPUT/OUTPUT (GRID)				
Rated Power (Input/Output) (kW)	12/8		14/10	16/12
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)	<10			
Max.Continuous Current (Input/Output)(A a.c.)	17.4/11.6		20.3/14.5	23.2/17.4
Max.Output Overcurrent Protection (A a.c.)	400/60			
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range (V d.c.)	125~800			
Rated Battery Voltage (V d.c.)	200		250	300
Max Charge Current (A d.c.)	40			
Max Discharge Current (A d.c.)	40			
Reverse Connect Protection	Yes			
PV INPUT				
No.of MPPT Tracker/Strings	2/1+1			
Max.PV Input Power (kW)	12		15	18
Max.DC Voltage (V d.c.)	1000			
MPPT Voltage Range (V d.c.)	150~950			
Start-up Voltage (V d.c.)	200			
Max.Input Current/string (A d.c.)	2*16			
Isc PV (Absolute Maximum)/ string (A d.c.)	2*24			
AC OUTPUT (EPS)/GENERATOR				
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
EPS Rated Output Apparent Power (kVA)	8		10	12
EPS Rated Output Current (A a.c.)	11.6		14.5	17.4
Overload Capacity (Off Grid)	110%30s/120% 10s/150%0.2s			
EFFICIENCY				
MPPT Efficiency	99.90%			
Euro-efficiency	97.50%			
Max. Efficiency	98%			
PROTECTION & FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP65			
Certifications	IEC62109-1/2,IEC62477-1, IEC 61000-6-1, IEC61000-6-3, EN 50549-1, VDE-AR-N 4105, OVE R25, NA/EEA-NE7-CH UNE 217001 & 2/NTS631,etc.			
Other Protection	Ground fault current monitoring, Earth fault detection, Residual current(RCD)Detection etc.			
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)			
Max. Operating Altitude (m)	4000 (>2000 Derating)			
Noise (dB)	<35			
Warranty (year)	5			
Machine Dimensions(W*H*D) (mm)	530*600*210			
Machine Weight/N.W. (kg)	35			
DISPLAY&COMMUNICATION				
Display	LED+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.