

DWA-12K-LP1EU_DO

230V Single Phase
Off-Grid Inverter(LV)

2-Year Warranty



Features



60-500V Wide PV Input for
Longer and Flexible strings



Dual MPPT input
Maximizes Energy Yield



Max. 160A Solar and
Utility/Generator Charging



Dual AC output for Flexible
Load Management



5-inch display screen
clear and easy operation



Optional WiFi for Real-time
Remote Monitoring

TECHNICAL SPECIFICATION	
Model	DWA-12K-LP1EU_DO
AC INPUT	
Rated Voltage (V a.c.)	220/230/240,L+N+PE
Rated Frequency (Hz)	50/60
Current (Maximum Continuous) (A a.c.)	70
INVERTER OUTPUT	
Rated Power (kW)	12
Rated Voltage (V a.c.)	220/230/240,L1+N1+L2+N2-PE
Power Factor	1
Wave Form	Pure Sine Wave
Switch Time (ms)	<10(Typical)
Inverter Efficiency (Peak)	94%@48Vd.c.
Current (Maximum Continuous) (A a.c.)	52.5
Maximum Output Overcurrent Protection	1min@102%~125%Load10s@>125%Load
BATTERY	
Battery Type	Lithium/Lead-acid
Rated Battery Voltage (V d.c.)	48
Battery Voltage Range (V d.c.)	42~56.4
Max.Charge Current (A d.c.)	160
PV INPUT	
No. of MPPT Tracker/Strings	2/2
Max. PV Array Power (kW)	Using One MPPT 9KW Using Two MPPTs: 15KW/Total
Max. DC Voltage (V d.c.)	500
MPPT Voltage Range (V d.c.)	60~450
Start-up Voltage (V d.c.)	80
MPPT Maximum Charge Current (A d.c.)	160
Max. Input Current (A d.c.)	Using One MPPT:27AUsing Two MPPTs:22.5A/PerMPPT
Isc PV (Absolute Maximum) (A d.c.)	30
PROTECTION & FEATURE	
Parallel Function	NO
Protection Degree	IP20, Indoor Only
Certifications	CE (IEC62109-1),EN61000 NRS
Other Protection	Overload, Over temperature, Short circuit
GENERAL PARAMETER	
Storage Temperature	-15°C~+60°C
Operating Temperature	-10°C~+60°C
Humidity	20%~95% (Non-condensing)
Operating Altitude (m)	4000(>1000 Derating)
Noise (dB)	<60
Warranty (year)	2
Machine Dimensions (W*H*D) (mm)	420*500*130
Machine Weight/N.W. (kg)	15.8
DISPLAY AND COMMUNICATION	
Display	LCD Display (Display Running Mode,Loads/Input/Output etc.)
Interface	RS485 / CAN / WiFi (Optional)

• Please note that all specifications are subject to change without prior notice.