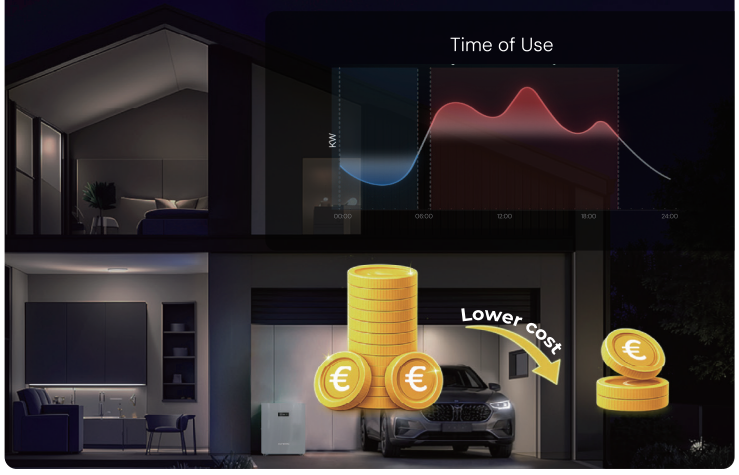
DYNESS

AquaVolt NEW

Plug-in AC-coupled Energy Storage Solution
5.12 kWh Capacity
800 W Plug-in / 2.5 or 3.6 kW Hardwired

Smart Scheduling
with TOU & Dynamic Tariffs



3,600 W continuous output in off-grid mode
for emergency applications



Seamless auto switching

≤10ms

Easy Installation
Plug & play, DIY setup



AC-Coupled Design
Compatible with 99%
micro inverters



8,000+ Cycles,
IP65 Protection rating
-20°C Performance



Zero Energy Waste
with P1 Reader, IR Reader or Smart Meter





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Information might be subject to change without notice during product improving.

www.dyness.com
sales@dyness-tech.com

SPECIFICATION

Model	D2.5LAC-5	D3.6LAC-5
BATTERY		
Battery Type	$LiFePO_4$	
Nominal Energy (kWh)	5.12	
Nominal Capacity (Ah)	100	
Battery Voltage range (Vd.c.)	44.8-57.6	
Nominal Voltage (Vd.c.)	51.2	
Max. Battery Voltage (Vd.c.)	57.6	
Cycle Life[1]	≥8000	
Depth of Discharge (DOD)	95%	
OFF-GRID		
Nominal Output Voltage (Va.c.)	230	
Nominal Off-Grid Output Power (W)	2500	3600
Max. Off-Grid Apparent Power (VA) [2]	3600	4000
Nominal Output Frequency (Hz)	50/60	
Max. Efficiency (%)	94.9%	
Max. Power from PV-Inverter (W)	2500	3600
Over-Voltage Protection	YES	
Short-Circuit Protection	YES	
Over-Temperature Protection	YES	
ON-GRID		
Nominal Output Power to Grid (W)	800	3600
Nominal Apparent Power to Grid (VA)	800	3600 [3]
Max. Apparent Power to Grid (VA)	2500 [3]	3600 [3]
Max. Power from Grid (Battery + Bypass) (W)	2500	4600
Grid Connection	L+N+PE	
Nominal Output Frequency (Hz)	50/60	
Nominal Output Voltage (Va.c.)	230	
Power Factor	0.8 Leading ~ 0.8 Lagging (Adjustable)	
THDi (at Nominal Power)	<3%	
Nominal AC Current to Grid (Aa.c.)	3.5	15.7
Max. AC Current to Grid (Aa.c.)	10.9	15.7
BACKUP PERFORMANCE		
Grid-to-Off-Grid Transfer Time (ms)	≤10	
Off-Grid-to-Grid Transfer Time (ms)	≤10	
GENERAL DATA		
Dimensions (W×H×D, mm)	560×650×185	
Weight (kg)	65	
IP Rating	IP65	
Display	LCD / APP / Web	
Communication	Wi-Fi / Bluetooth / RS485	
Topology	High-Frequency Isolated Topology	
Noise (dB)	<35	
Operating Temperature Range (°C)	-20-55	
Relative Humidity (%)	0-95%	
Altitude (m)	≤3000	
Cooling Method	Natural Cooling	
Overvoltage Category	DC II, AC III	
Protective Class	Class I	
CERTIFICATIONS & STANDARDS		
Grid Regulation	EN 50549-1/10, VDE-AR-N4105	
Safety Regulation	IEC/EN62477-1, EN 18031-1, IEC/EN62619, UN38.3	
EMC	IEC/EN 61000-6-1/3, EN 301489-1/17, EN 300328, EN 62311	

[1] Test conditions: 0.2C charge/discharge at 25°C, 95% DoD, 70% EOL.

[2] D2.5LAC-5

Model D2.5LAC-5: Capable of long-term off-grid output up to 3.6 kW.

D3.6LAC-5

Model D3.6LAC-5: Capable of off-grid output up to 4 kW for 1 minute.

[3] Higher output power available under specific configurations (subject to local regulations)