

# AquaVolt

AquaVolt features a base capacity of 5.12 kWh with 2,500W/3,600W continuous charge/discharge power and up to 4,000W peak output. It offers UPS-level switching within 10 ms for seamless backup during outages. The plug-and-play design allows easy installation and smooth integration with existing solar systems. Equipped with a built-in direct meter and compatible with Shelly smart meters, it enables real-time monitoring and optimization for maximum self-consumption.



## Smart Energy Control

Built-in direct-connect meter and compatibility with Shelly & P1 smart meter



## Easy Installation

Plug & play, DIY setup



## Powerful Off-grid Power Supply

3600W continuous output in off-grid mode for emergency applications.



## AC-Coupled

Compatible with 99% micro inverters



## Cost Saving

Smart charge/discharge scheduling based on TOU tariffs to reduce electricity bill



## Stable Power Supply

UPS-level transfer within 10 ms, 8000+ cycles, IP65 protection rating

Model	D2.5LAC-5		D3.6LAC-5
<b>Battery</b>			
Battery Type	LiFePO <sub>4</sub>		
Rated Energy (kWh)	5.12		
Nominal Capacity (Ah)	100		
Rated Voltage(V)	51.2		
Cycle Life *	≥8000 Cycles		
Max Grid Charging Power (W)	2350		3380
<b>OFF GRID</b>			
Nominal Output Voltage (V)	230		230
Nominal Apparent Power (VA)	2500		3600
Max. Output Apparent Power without Grid (VA)**	3600		4000
Nominal Output Frequency (Hz)	50/60		
Max. Efficiency (%)	94.9%		
Overvoltage Protection	YES		
Short Circuit Protection	YES		
Over temperature Protection	YES		
<b>ON GRID</b>			
Nominal Power Output To Grid (VA)	800		3600
Max.Power Outpur To Grid (VA)	2500		3600
Max.Power From Grid (VA)	2500		4600
Operation phase	L / N / PE		
Nominal Output Frequency (Hz)	50/60		
Nominal Output Voltage (V)	230		
Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging		
Output THDi (Nominal Power)	<3%		
Nominal.AC Current To Grid (A)	3.5		15.7
MAX.AC Current To Grid (A)	10.9		15.7
<b>GRID</b>			
Grid To Off-grid Transfer Time (ms)	≤10		
Off-grid To Grid Transfer Time (ms)	≤10		
<b>General Data</b>			
Dimension (W/H/D mm)	560/650/185		
Weight (kg)	65		
Protection Degree	IP65		
Display	LCD Screen; APP; Web		
Communication	Wi-Fi, Bluetooth,LAN,RS485		
Communication with BMS	CAN		
Topology	High frequency isolation		
Noise (dB)	<35		
Operating Temperature Range (°C)	-20-55		
Relative Humidity (%)	0-95		
Cooling Method	Nature Cooling		

\* Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL

\*\* 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.

