

# Exicom EnergyWall 5.1

## Reliable, Safe & Long-Life Energy Storage for Homes and Solar Systems

Residential Energy Storage | Solar PV Energy Storage Systems | Backup Power for Homes |  
Load Shifting & Peak Shaving | Off-grid and Hybrid Energy Systems



### Key Features:

**Lithium Iron Phosphate(LFP) Technology**  
for high safety and long life

**Maintenance-Free Operation**  
for hassle-free usage

**Parallel Expandability**  
supports up to 15 batteries  
for higher capacity

**High Energy Density**  
with compact  
wall-mounted design

**Wide Operating Temperature Range**  
for reliable performance  
in varied climates

**IP65 Rated**  
suitable for indoor and  
semi-outdoor installations

**Long Cycle Life**  
up to 3x longer than  
conventional lead-acid batteries

**Advanced BMS**  
with protection against over-voltage,  
over-current, temperature  
faults & short circuits

# TECHNICAL SPECIFICATIONS

Model	VE51100W
Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage Range	42.0~57.6V
Nominal Charge Voltage	57.6V
Charge Current/Max. Continuous	100A
Discharge Cut-off Voltage	42.0V
Discharge Current/Max. Continuous	100A
Recommended Depth of Discharge	80%
Ambient Temperature/Charge	0~60oC
Ambient Temperature/Discharge	-20~60oC
Dimension(W*H*D)	410*665*206mm(With Battery Bracket)
Weight	Approx. 51.8kg (With Battery Bracket)
IP Rating	IP65
Expansion	Max. 15 Units in Parallel
Color	White
Communication	CAN/RS485
Monitoring	APP
Cooling Mode	Natural Cooling
Cycle Life	6000 Cycles, 80%DOD@25oC
Design Life	15+ Years (25oC)
Installation Method	Floor/Wall Mounted
Allowed Humidity Range	≤95% RH
Altitude	<2000m
Protections	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.
Compatible Inverters	Deye/Solis/Hoymiles/Senergy/Afore/Megarevo/SRNE/Inhenergy etc.
Certifications	UN38.3, IEC62619, CE-EMC, IEC RED, Rohs. IEC 62040

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