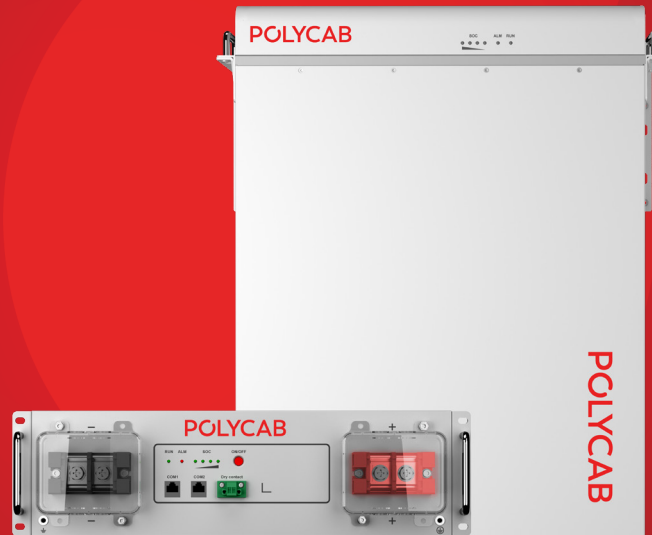




Low Voltage Battery

5kWh | Low Voltage Battery
Models: PHLVB-5K-AG3

Harnessing the reliability of Lithium Iron Phosphate (LFP) battery cell technology, low-voltage PHLVB-5K-AG3 Series is crafted to meet an energy needs. Focused on optimizing self-consumption and providing reliable solar power backup, this battery offers end users a seamless energy storage solution. The battery presents high energy density, enabling effective storage of significant energy within a confined space. Each battery pack is designed as a standalone unit, incorporating a dedicated Battery Management System (BMS). It also allows for the connection of up to 30 units in parallel and supports different installation methods for system expansion. With its impressive battery cycle life, investing in this battery ensures enduring value for homes.

Leading Features

Flexible & Adaptable Applications

Continuous Discharge Current of up to 150A
Scalable up to 150kWh, 30 Units in Parallel

Superb Safety & Reliability

Reliable LFP Technology with High Cycle Stability
Long Life Cycle, >6000 Times (70% EOL)

Friendly & Thoughtful Design

Compact and Lightweight Design
Multiple Installation Methods Supported for Expansion

Smart Control

Remote Diagnosis & Update Via Inverter
Auto Reboot after Undervoltage

Low Voltage Battery PHLVB-5K-AG3

TECHNICAL SPECIFICATIONS	
MODELS	PHLVB-5K-AG3
Nominal Battery Energy (kWh)	5.12
Usable Energy (kWh) ^{*1}	5
Cell Type	LFP (LiFePO4)
Operating Voltage Range (V)	43.20 ~ 58.24
Nominal Charge Current (A) ^{*2}	60
Max. Continuous Charge Current (A) ^{*2*3}	90
Nominal Discharge Current (A) ^{*2}	100
Max. Continuous Discharge Current (A) ^{*2*3}	150
Max. Pulse Discharging Current (A) ^{*2*3}	<200 (30s)
Max. Continuous Discharging Power (W) ^{*2*3}	7200
Communication	CAN
Operating Temperature (°C)	Charge: 0<T≤55, Discharge: -20<T≤55
Max. Operating Altitude (m)	4000
Weight (kg)	44
Dimensions (W × H × D mm)	442 × 133 × 520 (Excluding Hanger), 483 × 133 × 559 (Including Hanger)
Ingress Protection Rating	IP20
Applications	On Grid / On Grid + Backup / Off Grid
Scalability	Max. 30 in Parallel (150kWh) (Hand to Hand / Combiner Box / Busbar)
Mounting Method ^{*4}	Wall-Mount, Optional : Floor-Mount & 19" Standard Rack - Accessories
Round-trip Efficiency ^{*1}	≥96%
Safety	IEC62619, IEC63056, IEC 60730
EMC	EN IEC 61000-6-1, EN IEC 61000-6-2, EN IEC 61000-6-3, EN IEC 61000-6-4
Transportation	UN38.3
Environment	ROHS
Standard Warranty*	10 Years - Applicable with a combo of Polycab 1-Phase Hybrid Inverters
	8 Years - Applicable with a combo of Polycab 3-Phase Hybrid Inverters

*1 Test Conditions: 100% DOD, 0.2C Charge & Discharge at 25°C ± 2°C at the beginning of Life.

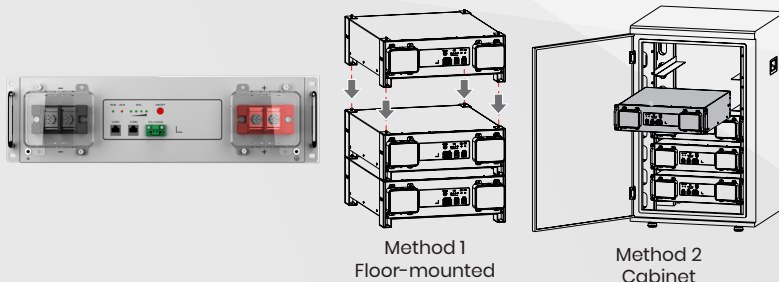
*2 The Systems working current and power values will be related to temperature and State of Charge (SOC).

*3 Max Charge / Discharge current and power values may vary with different inverter models.

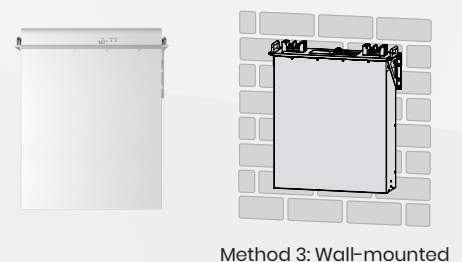
*4: Optional functions or devices are to be purchased separately.

Specifications are subject to change without advance notice.

Installation Method (Excluding Hanger)



Installation Method (Including Hanger)



For Consumer Complaint Contact: Officer, Corporate Care Cell
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Tel: +91-22-2432 7070/4, 6735 1400 | Fax: 91-22-24327075
Email: customercare@polycab.com | Website: www.polycab.com | Toll Free No: 1800 267 0008
For Product Inquiry, Email: solar@polycab.com



SCAN THE QR
CODE BATTERY EPR
REG NO.



SCAN THE QR
CODE EPR DETAILS



SCAN THE QR
CODE SOLAR
CATALOGUE