

Lithium-ion Battery

# Powerwall 6.0 51.2V-100AH



Model:  
LIO 5.20-IP20



1C  
continuous charge  
and discharge



Easy-to-install



Reliable



User-Friendly

- A grade brand new prismatic LiFePO4 cells
- 6000 cycles @80% DOD (25°C, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD with low power consumption, high brightness, and long visual distance.
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3, MSDS
- Max 8 battery packs can be connected in parallel

## Technical Data Sheet

| MODEL                               | LIO 5.20-IP20                                  |
|-------------------------------------|--|
| <b>ELECTRICAL PARAMETER</b>         |  |
| Battery Type                        | LiFePO4  |
| Nominal Voltage (V)                 | 51.2   |
| Nominal Capacity (AH)               | 100  |
| Energy (WH)                         | 5120   |
| Pack Mode                           | 16S1P  |
| Continuous Discharge Current (A)    | 100  |
| Charge Cut-off Voltage (V)          | 57.6   |
| Discharge Cut-off Voltage (V)       | 41.6   |
| Max. Charge Current (A)             | 100  |
| Max. Discharge Current (A)          | 100  |
| Peak Discharge Current (A)          | 120  |
| Recommend Discharge Current (A)     | 50   |
| Recommend Discharge Depth (%)       | 80   |
| Cycle Life                          | > 6000 cycles (25°C, 0.5C) @ 80% DOD           |
| Function                            | ---  |
| Communication                       | RS485/RS232/CAN                                |
| Display                             | LED  |
| Mounting                            | Wall-mounted                                   |
| <b>ENVIRONMENTAL PARAMETER</b>      |  |
| Charge & Discharge Temperature (°C) | Charge: 0°C ~ +55°C / Discharge: -20°C ~ +60°C |
| Optimal Storage Temperature (°C)    | 5°C ~ +35°C                                    |
| Relative Humidity                   | 40% ~ 80%                                      |
| Ingress Protection                  | IP20   |
| <b>MECHANICAL PARAMETER</b>         |  |
| Terminal                            | M6   |
| Dimensions (L*W*H) (mm)             | 533*500*150                                    |
| Weight (Kg)                         | 45.1 ± 0.5                                     |
| Certificate                         | UN38.3 MSDS                                    |

VERSION : JUNE 2025

Distributed by BatteryMAX | [www.batterymax.pk](http://www.batterymax.pk)