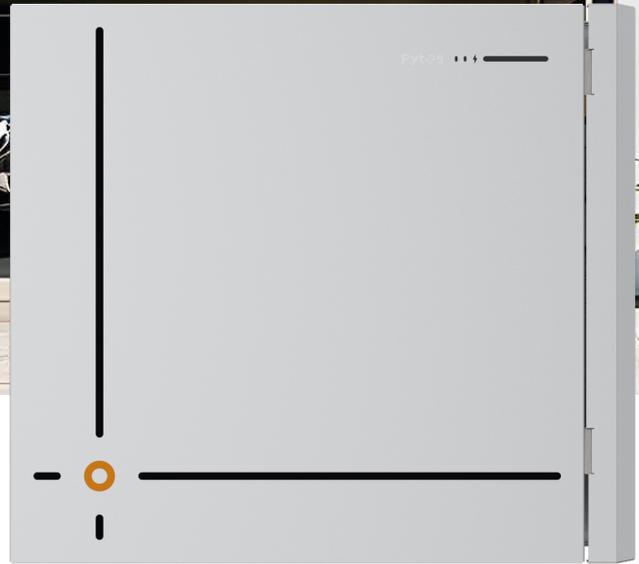


# V5W20

## Wall Mounted LFP Battery



## Features



### Reliable

- Tier 1 Automotive Grade A LiFePO<sub>4</sub> cells
- Self-designed & Field-proven BMS



### Enhanced Safety

- Pre-charge Circuit Integrated
- Emergency Shutdown with Battery Breaker



### 10 years Warranty



### Extraordinary Performance

- Continuous 1C Discharge Rate
- Peak Discharge Rate 1.2C@3 min.
- 90% DoD



### Smart

- Remote Monitoring and Upgrading



UN38.3



CEC SGIP

# V5W20 Specs

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## Electrical

|  |                   |
|--|-------------------|
| Nominal Voltage                          | 51.2VDC           |
| Nominal Capacity                         | 100Ah             |
| Nominal Energy                           | 5.12KWH           |
| Operating Voltage Range                  | 46.5VDC ~ 56.8VDC |
| Recommended Charge/<br>Discharge Current | 75A (0.75C)       |
| Maximum Continuous<br>Discharge Current  | 100A (1C)         |
| Maximum Discharge Current                | 120A@3min         |

## General

|  |   |
|--|---|
| Chemistry  | LFP   |
| Connection Options                                   | PHOENIX M6 Bolt   |
| Structure  | DC Breaker & Pre-Charge Circuit Integrated                          |
| Communication Interface                              | RS485 / CAN2.0 / Dry Contact / WiFi (Integrated)                    |
| Dimensions(without Cover)                            | 520 x 510 x 152mm / 20.47 x 20.08 x 5.99inch                        |
| Dimensions(with Cover)                               | 570 x 510 x 165mm / 22.44 x 20.08 x 5.99inch                        |
| Weight(without Cover)                                | 48kg / 105.83lbs  |
| Weight(with Cover)                                   | 49kg / 108.03lbs  |
| Operating Temperature                                | Charge: 0 ~ 55°C / 32 ~ 131°F<br>Discharge: -10 ~ 55°C / 14 ~ 131°F |
| Operating Temperature<br>with Heating Pad (optional) | -20°C ~ 55°C / -4°F ~ 131°F   |
| Ingress Protection Ratings                           | IP20  |
| Cycle Life*  | 6000 Cycles   |
| Warranty   | 10 Years  |
| Fire Safety (optional)                               | Aerosol fire suppression module (optional)                          |
| Mounting Method                                      | Wall / Ground Mounted   |

\* Test Conditions: 25°C, 0.2C / 0.2C, 90%DoD, 80% EOL

## Compliance

IEC62619, CE, UN38.3

## Compatible Inverter

Solis / Voltronic / SMA / DEYE / GOODWE / Sungrow / Victron / Solax / Hoymiles / Growatt / SAJ / Afore.. etc.