# V5W

## Wall Mounted LFP Battery




## Features

### Enhanced Safety

- Pre-charge Circuit Integrated
- Emergency Shutdown with Battery Breaker
- Built-in Fire Suppression Module (Optional)

### Extraordinary Performance

- Maximum Continuous 1C Discharge Rate
- Peak Discharge Rate 1.2C@3 min ⩽80% SOC
- Better Low Temperature Performance

### Installer Friendly

- Wall or Ground Mounted
- Effortless Installation and Quick Commissioning

### Enhanced Environmental Protection

- IP66 Rated Water and Dust Protection
- Integrated Heating Pad (Optional)

### Smart

- Remote Monitoring and Upgrading

# V5W Specs

## Electrical

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

## General

| | |
|---|---|
| Chemistry | LFP |
| Power Terminal | Amphenol SurLok Plus 5.7 |
| Structure | DC Breaker & Pre-Charge Circuit Integrated |
| Communication Interface | RS485 / CAN2.0 / Dry Contact / WiFi (Integrated) |
| Dimensions (without Cover) | 560 x 560 x 184.5mm / 22 x 22 x 7.26inch |
| Dimensions (with Cover) | 609 x 560 x 184.5mm / 23.98 x 22 x 7.26inch |
| Weight (without Cover) | 49.5kg / 109.13lbs |
| Weight (with Cover) | 50.7kg / 111.77lbs |
| Operating Temperature | Charge: 0 ~ 55°C / 32 ~131°F<br>Discharge: -10 ~ 55°C / 14 ~ 131°F |
| Operating Temperature with Heating Pad (Optional) | -20°C ~ 55°C / -4°F ~ 131°F |
| Ingress Protection Ratings | IP66 |
| Cycle Life* | 8000 Cycles @ 90% DoD, Ret 70% SoH |
| Warranty | 10 Years |
| Mounting Method | Wall / Ground Mounted |
| Fire Safety (Optional) | Aerosol Fire Suppression Module |

* Test Conditions: 25°C, 0.33C / 0.33C, 90% DoD, 70% EOL

## Compliance

UN38.3 / CE / IEC62619

## Compatible Inverter

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

* This is an initial datasheet version and is subject to revision