AiTHER SYSTEMS

# iQLV16



## 16 kWh Stackable LFP Battery Module

A high-capacity, low-voltage building block for the AiTHER stackable platform. Pair up to 15 modules (240 kWh) across racks for larger commercial and industrial behind-the-meter deployments.

### High capacity per module

16 kWh in a single stackable unit, fewer modules to reach target site capacity.

### Built to scale

Up to 30 modules in parallel (480 kWh); 6 modules per rack (96 kWh) for dense racking.

### Wide environmental range

Rated -20°C to 60°C operation, up to 3,000 meters altitude.

### Long service life

20-year design life at 25°C with 10,000 cycles at 80% depth of discharge.

| System Specifications | | | |
|---|---|---|---|
| **Cell Configuration** | 16S 1P | **Operating Temperature** | -20°C to 60°C |
| **Nominal Voltage** | 51.2 VDC | **Altitude** | < 3,000 m |
| **Capacity** | 314 Ah | **Operating Voltage Range** | 44 – 58 VDC |
| **Energy** | 16 kWh | **Max Charging Voltage** | 58.4 VDC |
| **Dimensions (H x W x D)** | 880 x 520 x 260 mm | **Max Current** | 200 A |
| **Weight** | 120 kg (264.6 lbs) | **Max Output Power** | 10 kW |
| **Lifespan (25°C)** | 20 years | **Enclosure Protection Rating** | IP65 |
| **Life Cycles (80% DoD, 25°C)** | 10,000 cycles | **Lithium Battery Standard** | IEC62619, CE-EMC, UN38.3, MSDS |
| **Scalability** | Up to 15 units (240 kWh); 6 units/rack max (96 kWh) | **Product Warranty (Conditional / Limited)** | 10yr standard product / 15yr if part of EaaS |

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