

SL-1000

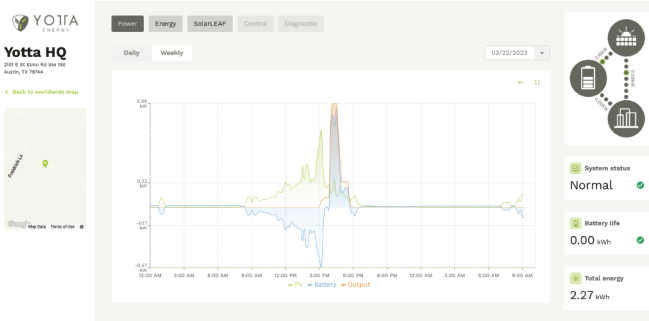
Commercial Energy Storage System



Yotta's **SolarLEAF™ (SL-1000)** is a fully-integrated **energy storage technology** that seamlessly integrates **behind** photovoltaic (PV) modules on **commercial rooftops** which solves one of the industry's biggest challenges of **"Where do you put the batteries?"**. Engineered with an advanced **passive thermal regulation** technology, SolarLEAF™ safely enables a distributed format while maximizing the **life and performance** of the battery under extreme thermal conditions.

The **SolarLEAF's** modular design is able to **scale** to meet the changing needs of **commercial buildings** while optimizing for today's needs. With its **plug-and-play design** and direct integration with Yotta's Dual Power Inverters, **deployment** of the technology is a **breeze**.

- Best in **class fire safety**
- **Plug-and-play** for simplified deployment
- **Low Voltage** DC Architecture (<60V)
- **Single phase or 3-phase** (208V or 480V) options
- Engineered for **high-capacity** PV modules
- **Light-weight** design for ease of handling during installation
- High efficiency **DC-coupled architecture** delivers more savings
- **Modular design** that can expand to meet the changing needs of buildings
- **Solid-state design** means no annual maintenance required



YottaVision Monitoring

- **Monitors** and **Analyzes** each solar module and battery
- Allows **Remote Access** to the solar array
- Displays **Performance Issues** and alerts the user to events
- **Real Time Communication**
- **Performance Reporting** to support troubleshooting

Ver. 4.0
April 2024

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MODEL

SL-1000

ELECTRICAL

Solar PV Input	Up to 750W
Module Compatibility	Voc(max) 60V - Isc(max) 15A
Inverter Compatibility	Yotta DPI Microinverter
DC Voltage - Nominal	38.4V
Amp Hours	26.4Ah
Rated Capacity	1000Wh @ (100% DoD) 800Wh @ (80% DoD)
Allowable Depth of Discharge (DoD) (1)	Up to 100%
Input Voltage (1)	53V
Output Voltage Range	22-45V
MPPT Operating Range	20-50V
Max Continuous Current (charge & discharge)	15A
Max Power Output (2) (discharge)	Up to 675W
Chemistry	Lithium Iron Phosphate
Cycle Life	6,000+ Cycles (@ 80% DoD)

MECHANICAL

Weight	56.7 lbs (25.7kg)
Roof Loading	2.7 / 3.0 psf typical
Mounting Options	Attaches to PV or ballast racking
Ambient Op. Temp.	-20° to 43°C max continuous (-4° to 109°F)
Storage Temp.	-20° to 55°C (-4° to 114°F)
Dimensions	15.75 x 26.25 x 4.25 (in)

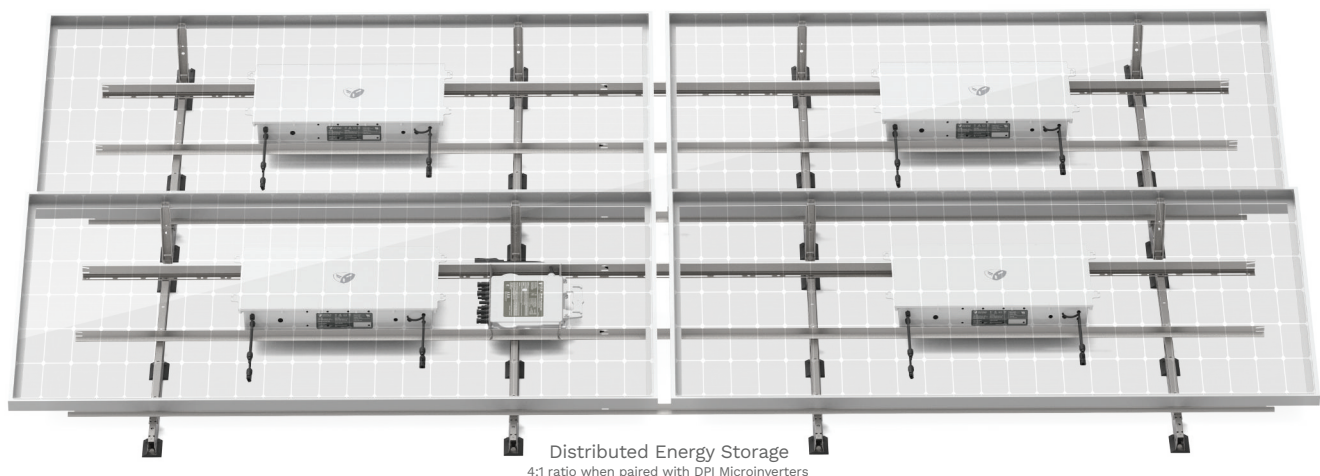
SAFETY AND WARRANTY

Warranty	10 Years
Enclosure	NEMA 4X, IP67
Certifications	UL 1973 UL 9540 UN38.3 Yotta Vision UL 9540, UL 1973

Meets the performance criteria for UL 9540A

(1) Maximum operating ranges. Refer to warranty for recommended conditions.

(2) From battery, but further limited by solar inverter.

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