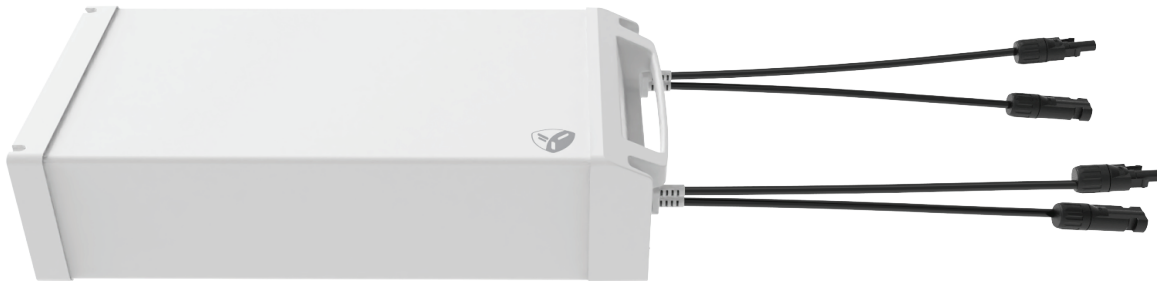




YOTTA
ENERGY

YOTTA BLOCK

Commercial Energy Storage Solution

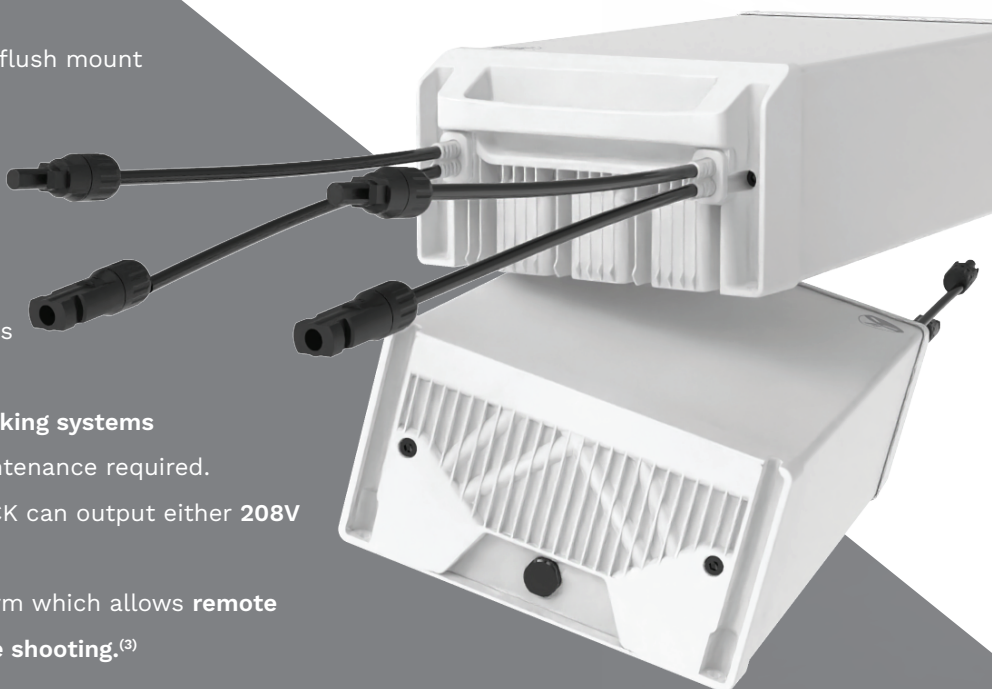


Seamlessly integrate storage behind photovoltaic (PV) modules on **commercial rooftops** with the 1kWh YOTTA BLOCK (YB-1). We've **simplified battery placement** - one of the biggest challenges of the **commercial ESS landscape**. Our proprietary **passive thermal regulation technology** has enabled the YOTTA BLOCK to be DC coupled, and co-located on **rooftops** and carports adjacent to the PV modules. Our thermal regulation **maximizes the life and performance** of the battery and delivers **best-in-class safety**.

The **YOTTA BLOCK** modular design is able to scale to fit **any project size** to the precise kWh needed, eliminating the siting, construction, and O&M headaches of C&I storage! Our **plug-and-play design** pairs the ESS with Yotta's native three phase DPI microinverters (208V/480V), creating a one-stop solution for **commercial savings**.



- Scalable in 1kWh increments
- Applicable to rooftop ballasted, fixed tilt, flush mount and ground mount racking systems
- Plug-and-play for simplified deployment
- Low-Voltage DC architecture (<60V)
- Slim, light-weight design
- Best in class fire safety
- Compatible with high-capacity PV modules
- High efficiency DC-coupled architecture
- Compatible with 5 & 10 degree ballast racking systems
- Solid-State Design means no annual maintenance required.
- Paired with the Yotta DPI, the YOTTA BLOCK can output either 208V or 480V 3-phase power
- Integrates with YOTTA VISION EMA Platform which allows remote monitoring, asset management, and trouble shooting.⁽³⁾



MODEL

YOTTA BLOCK (YB-1)

INPUT

Module Compatibility	600W (Max)
MPPT Operating Voltage	20V to 57V
Maximum Input Current	15.5A
Open-Circuit Voltage (Voc/V)	45V

OUTPUT

Max. Continuous Voltage (charge & discharge)	55V
Max. Continuous Current (charge & discharge)	20A
Max. Power Output ⁽¹⁾ (discharge)	450W
Inverter Compatibility	Yotta DPI-208 and DPI-480

BATTERY PACK

Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Cycle Life	6,000+ Cycles (@ 80% DoD) 5,000+ Cycles (@ 100% DoD)
Voltage - Nominal	48.0V
Amp Hours	20.6Ah
Rated Capacity	1.0kWh @ (100% DoD)
Cell Configuration	1P15S
Voltage Range	42V to 60V

MECHANICAL

Weight	30lb/ 13.7kg
Roof Loading ⁽²⁾	Approx. 1psf
Racking Capability	PanelClaw, UNIRAC, Aerocompact, IronRidge, Sollega, K2 Systems, KB Racking, Carports, pitched roofs and more
Ambient Operating Temperatures	Charging: -10°C to 60°C (14°F to 140°F) Discharging: -20°C to 60°C (-4°F to 140°F)
Storage Temp.	0°C to 25°C (32°F to 77°F): <1yr
Dimensions	15.99 x 6.58 x 3.96" (406 x 197 x 100 mm)

SAFETY AND WARRANTY

Warranty	10 yrs.
Enclosure	NEMA 4X, IP67
Certification	UL1973 (Pending) UL9540 (Pending) UN38.3
Safety	Meets the performance criteria of UL9540A

MONITORING

- (1) From battery to the DPI microinverter. Output is limited by the DPI microinverter.
(2) Assuming the use of a ~550W PV module that is ~28sqft.
(3) Additional features like load control and grid services currently in development or available through strategic partners.

YOTTA VISION

INTEGRATED SOLUTION

YOTTA BLOCK + UNIRAC RM10 EVO

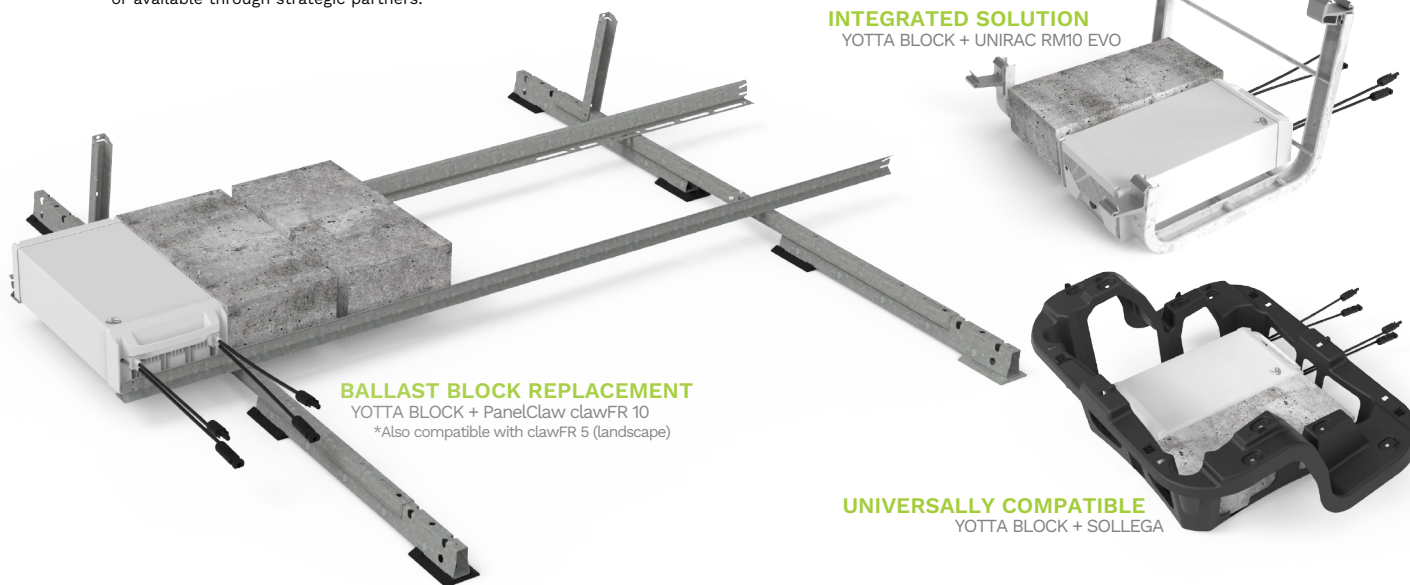
BALLAST BLOCK REPLACEMENT

YOTTA BLOCK + PanelClaw clawFR 10

*Also compatible with clawFR 5 (landscape)

UNIVERSALLY COMPATIBLE

YOTTA BLOCK + SOLLEGA



ENERGY MADE SIMPLE