



YOTTA
ENERGY

YOTTA BLOCK
Commercial Energy Storage Solution

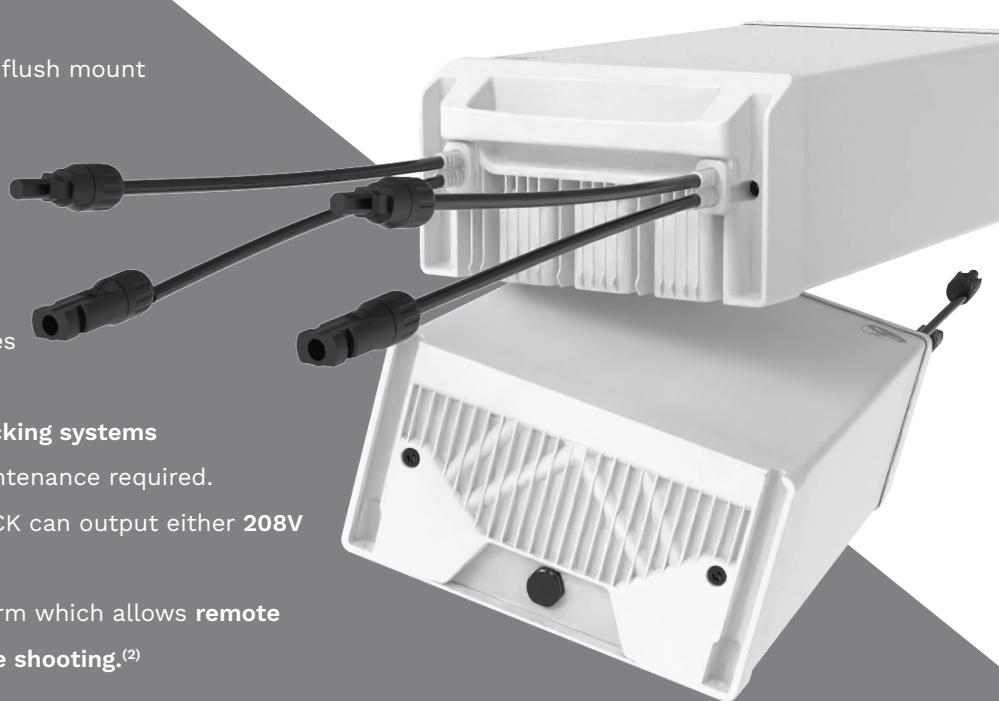


Seamlessly integrate storage behind photovoltaic (PV) modules on **commercial rooftops** with the 1kWh YOTTA BLOCK (YB-1). We've **simplified battery placement** - one of the biggest challenges of the **commercial ESS landscape**. Our proprietary **passive thermal regulation technology** has enabled 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**.

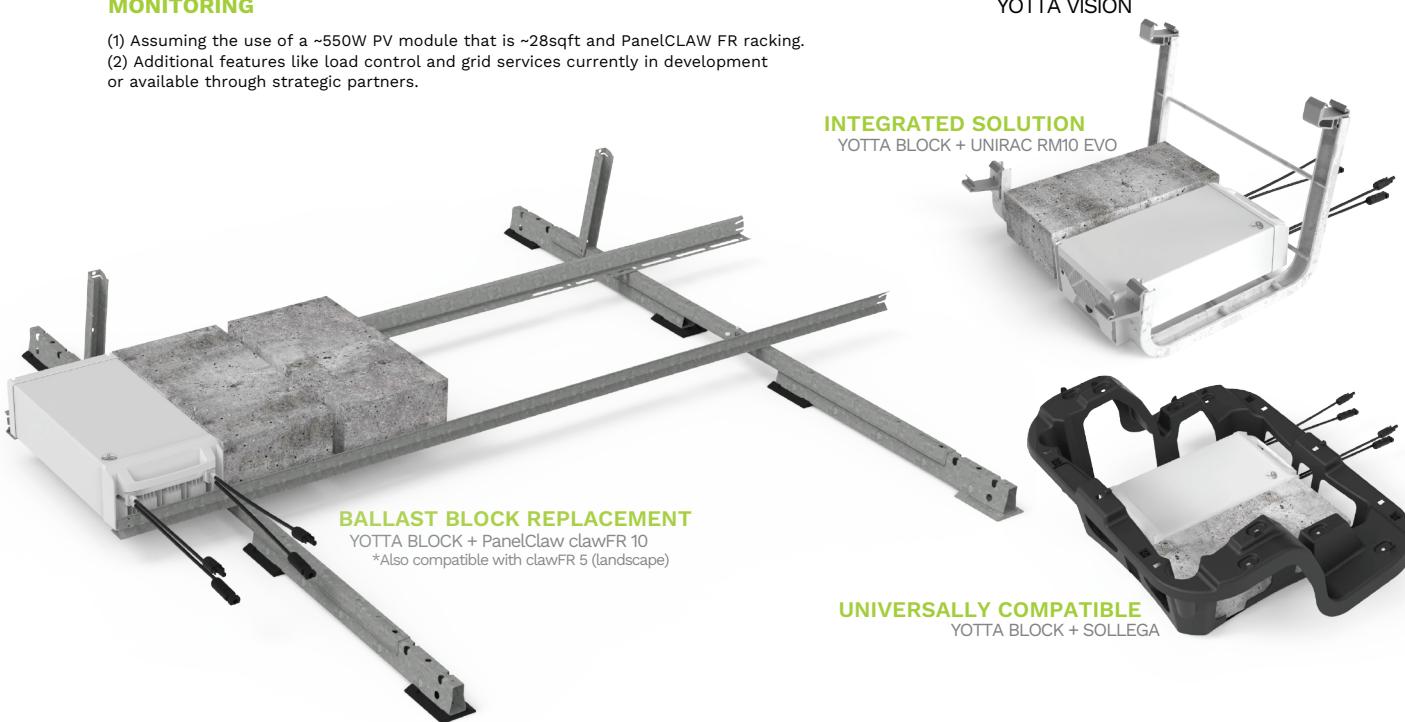


- Scalable in 1kWh increments
- Applicable to rooftop ballasted, fixed tilt, flush mount and ground mount racking systems
- Plug-and-play for simplified deployment
- Low-Voltage DC architecture (<60V)
- Slim, light-weight design
- Best in class fire safety
- Compatible with high-capacity PV modules
- 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.⁽²⁾**



MODEL	YOTTA BLOCK (YB-1)
INPUT	
Module Compatibility	650W (MAX on bypass mode)
MPPT Operating Voltage	20V to 55V
Maximum Input Current (Isc MAX)	15.5A
Open-Circuit Voltage (Voc)	45V
OUTPUT	
Max. Continuous Voltage (charge & discharge)	55V
Max. Continuous Current (charge & discharge)	16.5A
Max. Power Output (discharge defined by DPI Microinverter)	432W @ 208V / 450W @ 480V
Inverter Compatibility	Yotta DPI-208 and DPI-480
BATTERY PACK	
Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Cycle Life	< 6,000+ Cycles (@ 80% SoH) @ 25°C
Voltage Range (Nominal/MAX)	48V / 54.65V
Amp Hours (Cell x 15S1P)	20 Ah
Module Rated Capacity	1.0 kWh @ (100% DoD)
Cell Configuration	15S1P
Voltage Range	43.5V to 54.65V
MECHANICAL	
Weight	28.4 lbs (12.8 kg)
Roof Loading ⁽¹⁾	Approx. 1psf
Racking Capability	PanelClaw, UNIRAC, Aerocompact, IronRidge, Sollega, K2 Systems, KB Racking, Carports, pitched roofs and more
Ambient Operating Temperatures	Charging: -20°C to 45°C (-4°F to 113°F) @ 650W MAX Discharging: -20°C to 45°C (-4°F to 113°F) @ 650W MAX
Storage Temp.	32°F to 77°F (ideally around 59–77°F) < 1 year
Dimensions	15.95 x 7.90 x 4.16" (405.2 x 200.7 x 105.6 mm)
SAFETY AND WARRANTY	
Warranty	10 yrs.
Enclosure	NEMA 6, IP67
Certification	UL1973 (Pending) UL9540 (Pending) UL1741 (Pending)
Safety	Meets the performance criteria of UL9540A

(1) Assuming the use of a ~550W PV module that is ~28sqft and PanelCLAW FR racking.
(2) Additional features like load control and grid services currently in development or available through strategic partners.



ENERGY MADE SIMPLE