

# Value Beyond Power Conversion

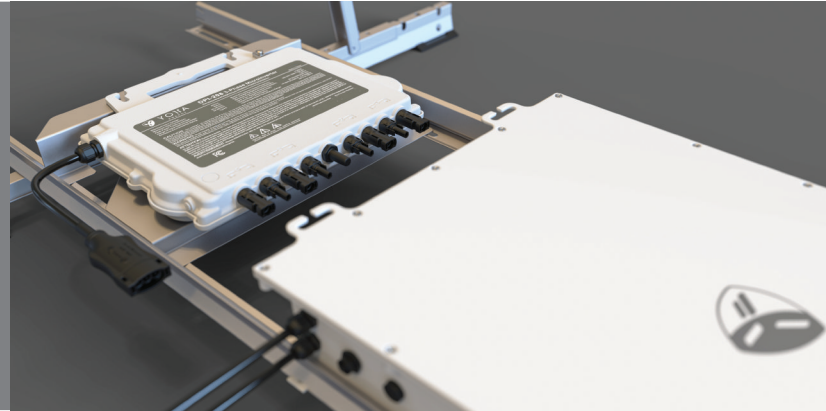
DPI-208/DPI-480



Yotta's Dual Power Inverter (DPI) is designed for **three-phase** grid connection (208V or 480V) and has dual applications: solar only or **solar + energy storage**. This unique feature delivers maximum **flexibility** and brings all the **benefits** of a microinverter at a price equivalent to **string inverters**. Rated at 1.8kW @ 480V and 1.728kW @ 208V, this four-port, three-phase microinverter can be used with up to **four, high-capacity PV modules** and is compatible with Yotta's SolarLEAF energy storage **technology** and high **performance** bi-facial solar modules.

A proven, reliable **solution** in a competitive landscape, Yotta's DPI main **specs** are outlined below:

- 208/480 VAC **interconnection**.
- 4 input **ports** (pairs with up to 4 modules).
- **Pairs** with up to 660W Modules.
- Each port **outputs** 432VA or 450VA depending on model.
- Native 3-phase AC output, **phase balanced**, phase monitored.



## Superior Safety

Yotta's commitment to **built-in safety** is highlighted in the DPI's best-in-class design.

- Operates at **low voltage** and **never exceeds 60V DC**, making it NEC "touchsafe" and reducing arc fault risk.
- **Rule 21 compliant**, ensuring rapid shut down if operating conditions stray from predictable thresholds.
- **UL 1741 SA and UL 1741 SB certified** to actively manage grid functions.
- Grid interactive through its **Reactive Power Control (RPC)** feature to **support** grid power management.
- The **safest** solution for first responders, fire departments, and installers.



## Streamlined System Design

Yotta's DPI is **modeled** in HelioScope for bankable energy yield **simulator** and financial **calculations**. Simple **design** means faster permitting, less engineering costs, and faster installation:

- **Maximizes** the use of your rooftop area (flexible arrangements).
- **Replaces** power **optimizers** and module level. RSD.

- Delivers 3-phase 208V or 480V without a **step-down** transformer.
- 208V DPI connects to **4x modules**, and up to **5x DPI on an AC trunk**.
- 480V DPI connects to **4x modules**, and up to **11x DPI on an AC trunk**.
- In both cases AC trunk connects into **30A 3P breaker at AC panel**.

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[www.yottaenergy.com](http://www.yottaenergy.com)

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## Simplified Deployment

These features will be welcomed by your **operations** and rooftop team:

- **Eliminate** the need for specialized **DC training**, keeping the job in familiar and **safe AC territory** for installers.
- Yotta confirms your **design** and quotes the job to the breaker/transition box - **simplifying balance** of systems product lists for your team
- DPI's four-port design enables **300% faster install**, and reduces devices on the roof by 50%
- **AC balance-of-system (BOS)** parts are **universally** available, enabling easy solutions
- **Fewer installation errors** associated with rooftop cable crimping and other points of DC failure.

## Future-Proof

Whether **utilities** end Net Energy Metering (NEM) or implement Time of Use (TOU) **tariffs**, we can be certain that many **changes** are on the horizon. With our DPI microinverter you get the added **benefit** of adding energy storage **seamlessly** at a later date:

- The DPI system is inherently **storage-ready** with our **SolarLEAF** battery without requiring any additional complex electrical **infrastructure**. SolarLEAF can be simply **added** between the solar module and DPI PV connections.
- No **modification** to the AC system is required.

## Reliable & Easy to Maintain

With our **detailed and reliable monitoring**, eliminate the need to search for a ground fault or inverter error:

- Module-level monitoring proves **system reliability**, long-term yield and makes troubleshooting detailed and **simple**.
- String failures are emergencies causing system wide **production** loss. Any DPI microinverter failure is a simple troubleshoot or **replacement** production loss.
- Four-port design mean up to **50% fewer** required units per **system**.

## Maximized Performance

PV system **performance** equates to payback time, return on investment, and customer **satisfaction**. **Performance** is the ultimate bottom line:

- With **module-level** maximum power point tracking (MPPT) each module's output is generated **independently**, unaffected by shading, module mismatch, or output loss in a neighboring module.
- Microinverters **add value** by powering up earlier in the day and **shutting down** later in the day than string inverter optimizers, **expanding** the production curve.
- The more complex the **roof's module layout**, the stronger DPI's value **proposition** becomes based on **yield** per square foot.
- Yotta's **25-year extended warranty** aligns with the system lifespan.



ADJUSTABLE  
POWER  
FACTOR



PLUG  
& PLAY  
&  
STORAGE  
READY



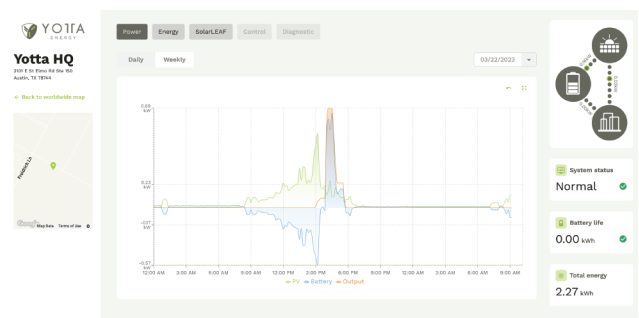
REMOTE  
DIAGNOSIS



ADVANCED  
HEAT  
DISSIPATION  
TECHNOLOGY

## YottaVision Monitoring Platform

- **Monitors and Analyzes** each solar module and microinverter (COMING SOON).
- Allows **Remote Access** to the solar array (COMING SOON).
- Displays **Performance Issues** and alerts the user to events (COMING SOON).
- **Real Time Communication** (COMING SOON).
- **Graphs** system solar output over time to boost troubleshooting (COMING SOON).



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