

Yotta DPI™

Commercial Solar + Storage Dual Power Inverter

DPI-1200



Yotta's DPI™ (Dual Power Inverter) is a cutting edge microinverter capable of accommodating up to four (4) high-capacity PV modules, each up to 440W+ as well as integrating directly with Yotta's SolarLEAF energy storage technology. This UL1741(SA) compliant inverter is a true utility-interactive microinverter with Reactive Power Control (RPC) technology and which exceeds NEC 2014/2017/2020 Rapid Shutdown compliance requirements.

KEY ADVANTAGES OF YOTTA DPI™ INCLUDE:

- No high-voltage DC for best-in-class safety
- 300% faster installation compared with conventional microinverters
- Wider MPPT voltage range for greater energy harvest
- Independent MPPT for each module to maximize output
- Accommodates modules from 250-440W+
- 2.4GHz ZigBee mesh network (3X faster than PLC)
- Future proofed and optimized to work with Yotta's SolarLEAF energy storage technology



The safest and simplest way to deploy solar PV on commercial buildings

SUPERIOR PERFORMANCE

Each solar panel is able to independently convert solar generation to electricity, so no panel is impacted by shading or output loss by a neighboring solar module.

EASY INSTALLATION

Yotta's Dual Power Inverter installs up to 300% faster than other microinverters with its 4-port design.

COMPATIBLE WITH ALL LEADING PANELS

Yotta DPI™ is able to deploy with all leading 60 and 72 cell solar modules.

SUPERIOR SAFETY

String inverters carry a much higher risk of arc faults given that the system is operating in high voltage. With Yotta's DPI format, the entire system is low voltage DC.

GRID INTERACTIVITY

Our Reactive Power Control design and Rule 21 compliance delivers utilities all the control they desire for advanced solar installations.

SINGLE OR THREE PHASE APPLICATIONS

Whether its single phase 208V, 240V or three phase 208, Yotta DPI™ delivers you the versatility needed for your commercial solar deployments.

INPUT DATA (DC)

| | |
|----------------------------------|---------|
| MPPT Voltage Range | 22V–48V |
| Operating Voltage Range | 16V–55V |
| Maximum Input Voltage | 60V |
| Startup Voltage | 20V |
| Maximum Input Current | 12A x 4 |
| Maximum DC short circuit current | 15A x 4 |

OUTPUT DATA (AC)

| | 240V | 208V |
|----------------------------------|--------------------|-----------------------|
| Maximum Continuous Output Power | 1,200W | 1,100W |
| Nominal Output Voltage (Range) | 240V (211–264V) | 208V (183–229V) |
| Nominal Output Current | 5.00A | 5.29A |
| Nominal Output Frequency (Range) | | 60Hz (59.3–60.5Hz) |
| Power Factor | | >0.99 |
| Total Harmonic Distortion | | <3% |

EFFICIENCY

| | |
|-------------------------|-------|
| Peak Efficiency | 96.5% |
| Nominal MPPT Efficiency | 99.5% |
| Night Power Consumption | 30mW |

MECHANICAL DATA

| | |
|--------------------------------|---|
| Operating Temperature Range | -40°F to 149°F -40°C to 65°C |
| Storage Temperature Range | -40°F to 185°F -40°C to 85°C |
| Dimensions (W x H x D) | 11.1" x 9.1" x 1.6" 281mm x 231mm x 41.3mm |
| Weight | 9.9lbs / 4.5kg |
| AC Trunk Cable Maximum Current | 20A |
| Enclosure Rating | NEMA 6 |
| Cooling | Natural Convection |

FEATURES

| | |
|--------------------|--|
| Communication | Wireless (Zigbee) |
| Transformer Design | High Frequency, Galvanically Isolated |
| Monitoring | Via EMA Online Portal |
| Warranty | 10 years standard, extendable to 25 years |

CERTIFICATE & COMPLIANCE

| | |
|----------------------------|---|
| Safety & EMC Compliance | FCC Part 15; ANSI C63.4; ICES-003 |
| Certificate & Compliance | UL 1741-SA**; CSA C22.2 No. 107.1-01 |
| Grid Connection Compliance | IEEE 1547 |
| Rapid Shutdown | Exceeds NEC 2014/2017/2020 690.12 |



** Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark.