











Power Integrations, Inc.

NASDAQ: POWI

June 2022

Forward-Looking Statements/Non-GAAP Metrics

These slides accompany an oral presentation by Power Integrations, Inc., which contains forward-looking statements. Each statement relating to events that will or may occur in the future is a forward-looking statement. The Company's actual results may differ materially from those suggested in the presentation. Information concerning factors that could cause such a difference is contained in the Company's most recent report on Form 10-K.

This presentation may also contain certain non-GAAP financial information. Reconciliations of non-GAAP financial metrics to GAAP results are available on the investor page of the Power Integrations website, http://investors.power.com.

ICs for Energy Production, Transmission & Consumption





















Technology leader in ICs for energy-efficient AC-DC power supplies

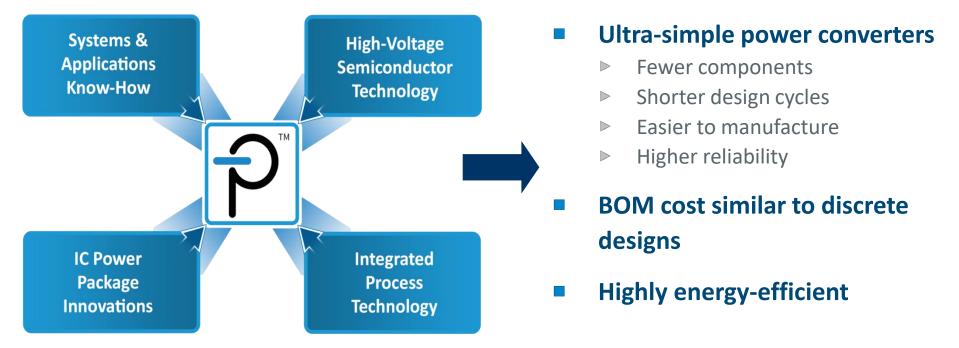
High-efficiency driver ICs energizing the LED lighting revolution

Gate drivers for renewable energy, DC transmission, electric locomotives and more

Highly-efficient, reliable and integrated motor drivers

Automotive solutions for efficient, compact high-voltage power conversion and control

Comprehensive Expertise in High Voltage



Long-Term Secular Growth Drivers

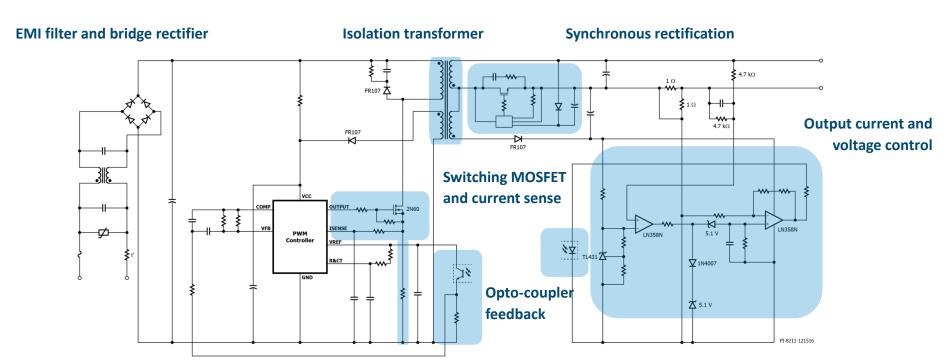
Ongoing transition to highly integrated power supplies

Integration saves labor and materials, improves reliability

Enabler of reduced carbon emissions

- EcoSmart™ technology saves equivalent of about 1.9M homes' electricity usage each year by reducing standby consumption in electronics and appliances
- ▶ Strong presence in renewable energy, electric transportation, efficient high-voltage DC transmission
- Gallium-nitride (GaN) technology expands dollar content, increases efficiency
- Expanding high-voltage market opportunity SAM up ~3x since 2010
 - Advanced chargers for smartphones, tablets, notebooks
 - ► Home & building automation / smart lighting and appliances / IoT / smart utility meters
 - Electrification of tools and transportation
 - ▶ BridgeSwitch™ motor-drive ICs expand appliance SAM
 - LED lighting
 - Sizeable opportunity in electric vehicles

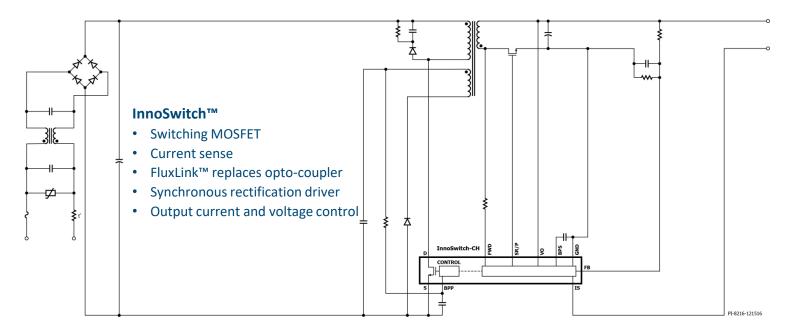
The Power Integrations Advantage



Conventional Phone Charger - More than 60 Components



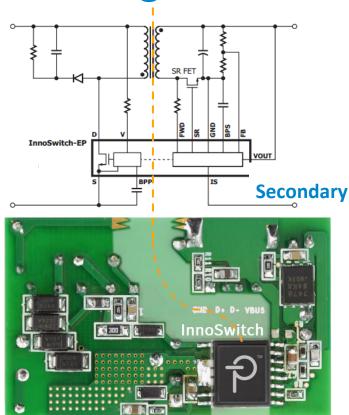
The Power Integrations Advantage



Phone-charger using InnoSwitch-CH – only 24 components

InnoSwitch™: A Higher Level of Integration

- First IC to integrate primary and secondary sides of power supply across safety barrier
 - Enabled by FluxLink™ technology
- Drastic reduction in component count, complexity
- Highly energy-efficient
 - Very high efficiency
 - Very low standby consumption
 - Available with Si, GaN or SiC transistors



GaN Is the Future of Power Conversion

GaN transistors are better than silicon

- More efficient, cooler, smaller power supplies
- Eliminates heatsinks even at high power levels

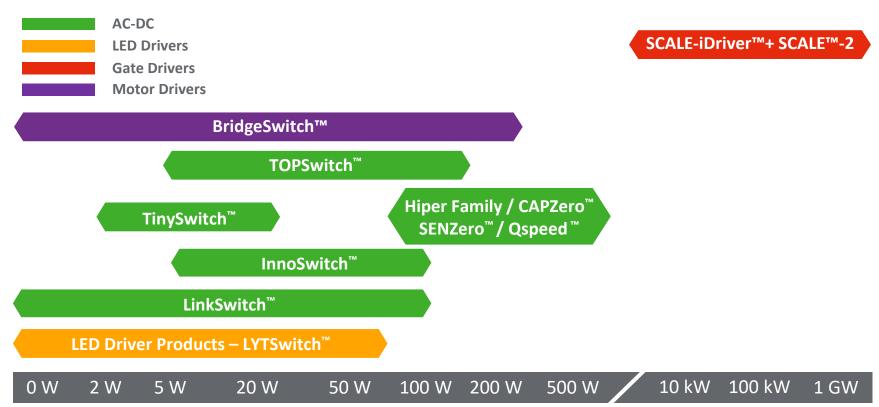
Proprietary GaN switches integrated into our ICs

Far easier to use than discrete GaN transistors

GaN now utilized in a broad range of POWI products and applications

- Advanced chargers (smartphone, tablet, notebook, multi-port)
- TVs, appliances, USB wall outlets, more

Spanning a Wide Power Range

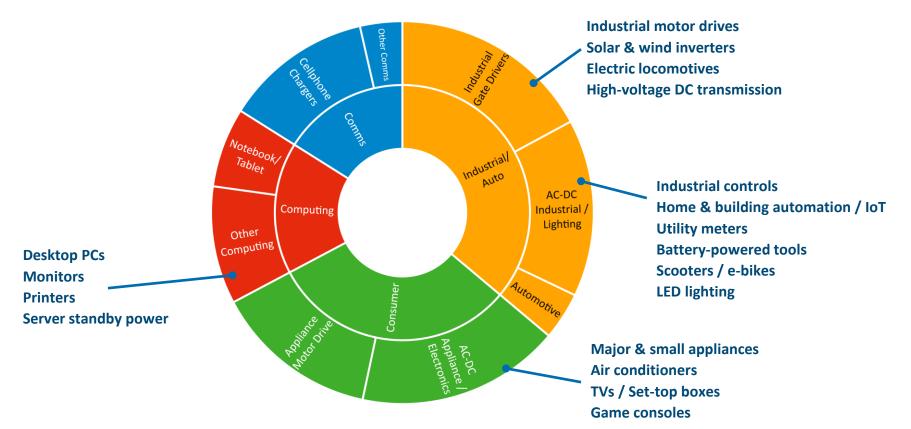




Power Everywhere



Addressable Market of \$4B+



Technology Trends Bring SAM Expansion

- Rapid charging for mobile-device market
 - ► Faster chargers = greater dollar content, higher efficiency
- Home & building automation / smart lighting and appliances / IoT
 - ► Smarter homes and appliances = more power needed = greater POWI dollar content
 - Permanently connected IoT devices need minimal standby power consumption
- Electrification creating new opportunities in tools, transportation
 - Lithium-ion batteries replacing gas and raw AC power for lawn equipment, vacuums
 - ▶ Electric cars, locomotives, buses, delivery vehicles, etc.
- Conversion to brushless DC motors in appliances
 - ▶ BridgeSwitch™ ICs target BLDC motors up to 400W
- LED lighting requires efficient, reliable AC-DC drivers
- GaN-based ICs increase dollar content and performance

Advanced Chargers for Mobile Devices

Single, high-power adapter for travel is becoming common

- Standardization around rapid-charge protocols and connectors
- ► High power needed to charge larger batteries and multiple devices

Rapid growth in aftermarket brands

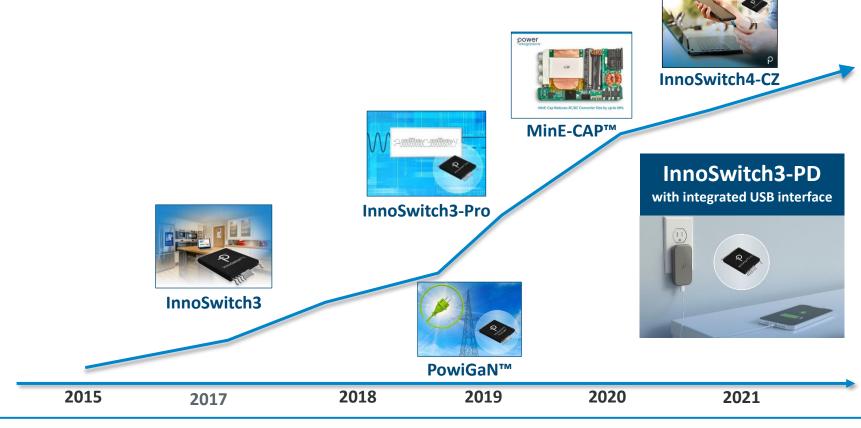
- Smaller is better.
- Notebook PC "bricks" now obsolete

Expanding USB charging ecosystem

- Wall outlets, appliances, tool chargers adding USB ports
- Small space requires compact design, no heatsinks

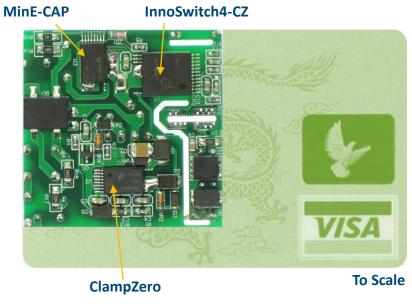


Leading USB PD Design & Innovation



Compact 60W Charger with InnoSwitch4-CZ & ClampZero

ATQ2311 Uses GaN-based MinE-CAP IC to reduce size of bulk capacitors 44 mm 100rvoar 7400r 44 mm 12.6 mm 1938 J DEL 1938 J DEL



Volume = 24.4 cm³
Power Density = 2.5 W/cm³
No heatsinks



PowiGaN Winning Big in Advanced Chargers



100W Multi-Port



33W USB PD



33 W USB PD



47W Dual Port



45W USB PD



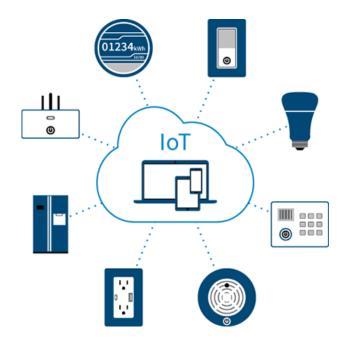
65 W USB PD

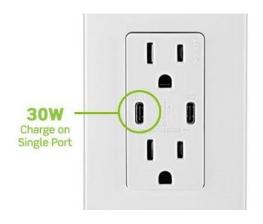


20W Slim Charger



IoT / Home Automation / Fixed Charging





USB-C power receptacle with InnoSwitch3

Reliability, low standby power critical for IoT devices and USB receptacles

BridgeSwitch™ Motor-Driver ICs for BLDC Motors

- 98.5% efficiency
- Integrated half-bridge architecture eliminates heatsinks



- Built-in protection
 - Simplifies and shortens regulatory approval
 - Hardware fault management simplifies software
- Ideal for appliances white goods and industrial
 - Ceiling fans, water pumps, air-conditioning, motors



LYTSwitch™ Drivers for LED Lighting

- Traditional light sources phasing out
- LEDs need efficient, reliableAC-DC drivers
- Integration brings reliability, efficiency, size advantage





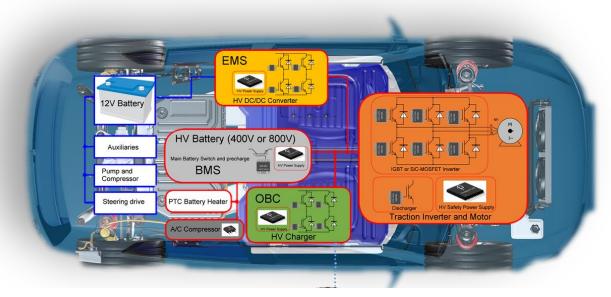
Gate Drivers for High-Power Market

- Acquired CT-Concept in 2012
- Addressing applications 10 kW to 1 GW
 - DC industrial motors, renewable energy, electric transportation, DC transmission
- Drivers for IGBTs and SiC switches



SCALE™ drivers reduce component count, enhance efficiency, reliability

EVs Bring High Voltage to the Auto Industry



- Tens of dollars of potential content per car
 - Drive train, charging, DC-DC conversion
- Several POWI products now auto-qualified

Traction Inverter

SiC MOSFET or IGBT gate drivers



- **Emergency power supply**
 - ► InnoSwitch3-AQ





Global Presence

- Headquarters in San José, California
- Design centers: U.S., Canada, Switzerland, UK, Germany, Malaysia, Philippines
- 19 field labs worldwide



Financials

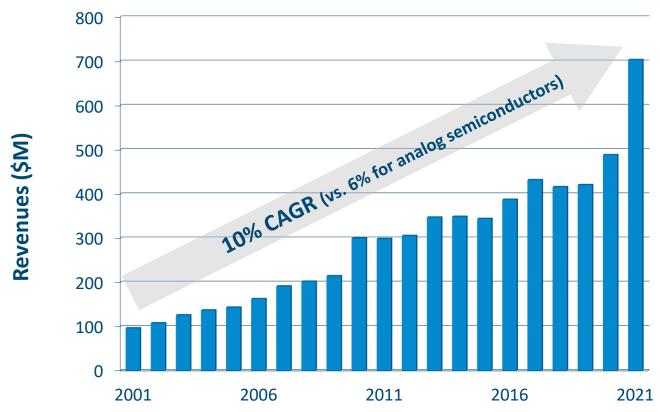


Best Financially Managed Semiconductor Company Achieving up to \$1 Billion in Annual Sales

Target Financial Model

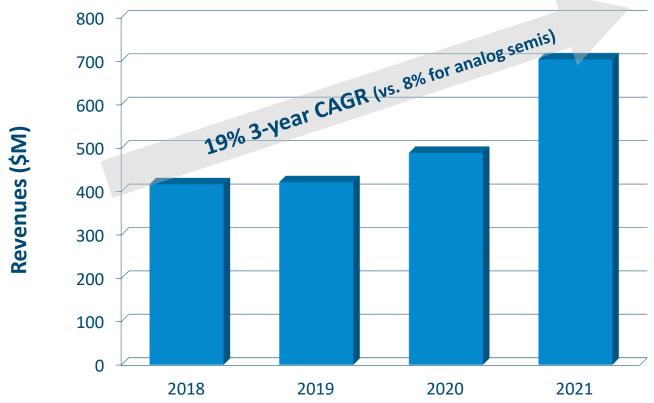
- Low-double-digit revenue growth
 - ▶ Grew 44% in 2021 vs. ~30% for analog semiconductor industry
 - ▶ 10% CAGR since 2001
- Non-GAAP gross margin 50-55%
 - ▶ 52% in 2021
- Non-GAAP operating margin 25-30%
 - ▶ 31% in 2021

Track Record of Growth



Note: Revenues prior to 2017 do not reflect ASC 606 recast; see company website for recast financial data for 2015-2016

Three-year CAGR of 19%

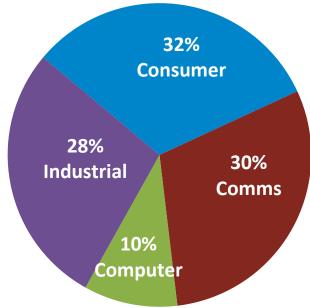


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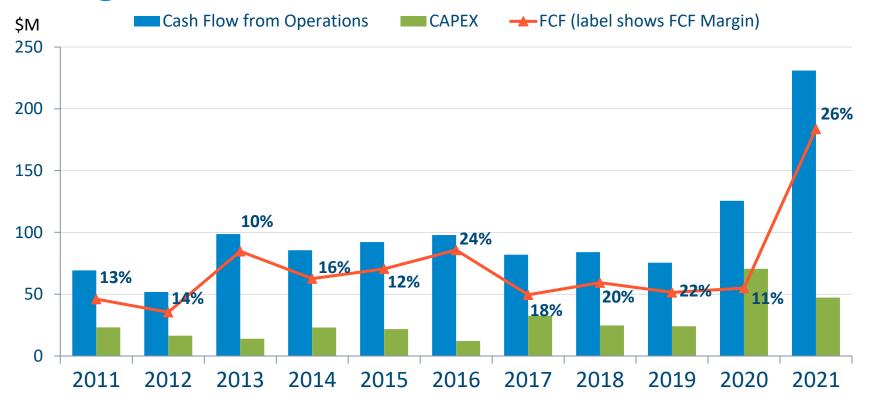


Well-Diversified Revenue Mix





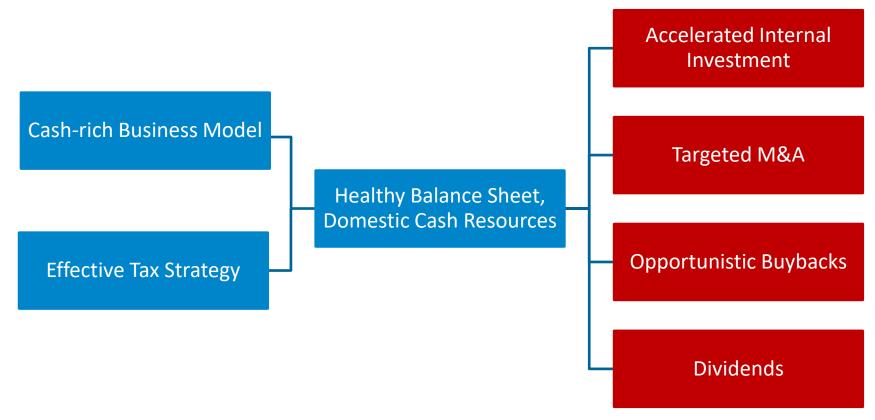
Strong Cash Flow



FCF = Cash flow from operations less capital expenditures

2019 GAAP Cash from Operations = \$224.5M; above excludes impact of litigation settlement

Four-Prong Approach to Capital Management



Strong Balance Sheet

At March 31, 2022

\$444M cash and investments

▶ \$175M litigation settlement received in Oct. 2019

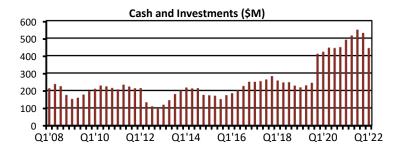
No debt

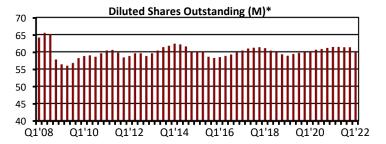
Dividend payer since 2008

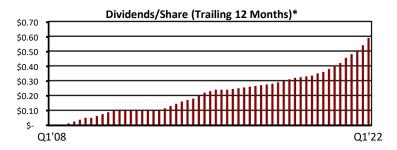
Dividend increased 20% to \$0.18 in Q1 2022

Share count down 6% since 2008

- ▶ 423K shares repurchased in Q4 2021
- ▶ 1.6M shares repurchased in Q1 2022
- > \$75M added to authorization in April







*Adjusted for August 2020 2:1 stock split



Sustainability: Saving energy and reducing e-waste

Visit our sustainability site for additional ESG-related information: https://www.power.com/company/sustainability-and-citizenship

Recognized Leader in Energy Efficiency

- Member of clean-tech stock indices
 - The Cleantech Index (CTIUS)
 - Nasdaq Clean Edge Green Energy (CELS)
 - Ardour Global Index (AGIGL)
 - ECPI Global Clean Energy Index (GALPHCLN)
- Twice named a top 20 sustainable stock by SustainableBusiness.com
- ENERGY STAR® award recipient
- Star of Energy Efficiency award recipient



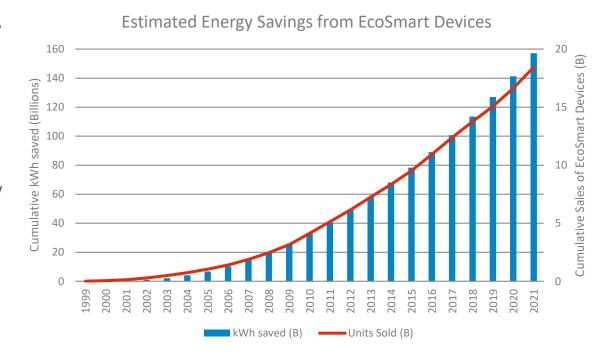






EcoSmart⁻⁻ Technology Slashes Carbon Emissions

- >18 billion EcoSmart chips sold since 1998
- >15 TWh of standby energy saved in 2021
 - Equivalent to entire electricity usage of 1.9M homes*
 - Saved >6.5M tons of CO₂ emissions**





^{*} Source: U.S. EPA Greenhouse Gas Equivalencies Calculator

^{**}Based on 2020 U.S. average of 0.85 lbs./kWh, per U.S. Energy Information Administration

Energy Vampire vs. LinkZero™



Energy-Efficiency Specs Drive Innovation

- External power supply requirements in Europe tightened in 2020
- ENERGY STAR® "Most Efficient" label rewards top performers
- SEAD awards for connected efficiency
- Light bulbs in U.S. now required to be 60-70% more efficient than standard incandescent bulbs

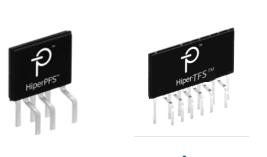






POWI Products Reduce E-waste

Two Hiper™ ICs replace up to 100 components



HiperPFS, **HiperLCS** / **HiperTFS**



Power integrations