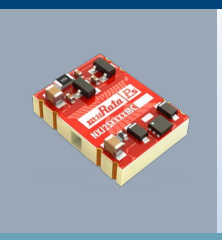
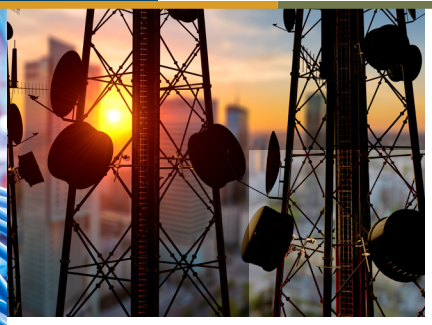
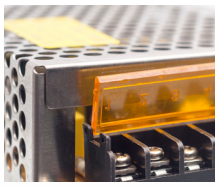
The IP&E Specialist

DC-DC Power Management Solutions










In Stock and Available to Sell

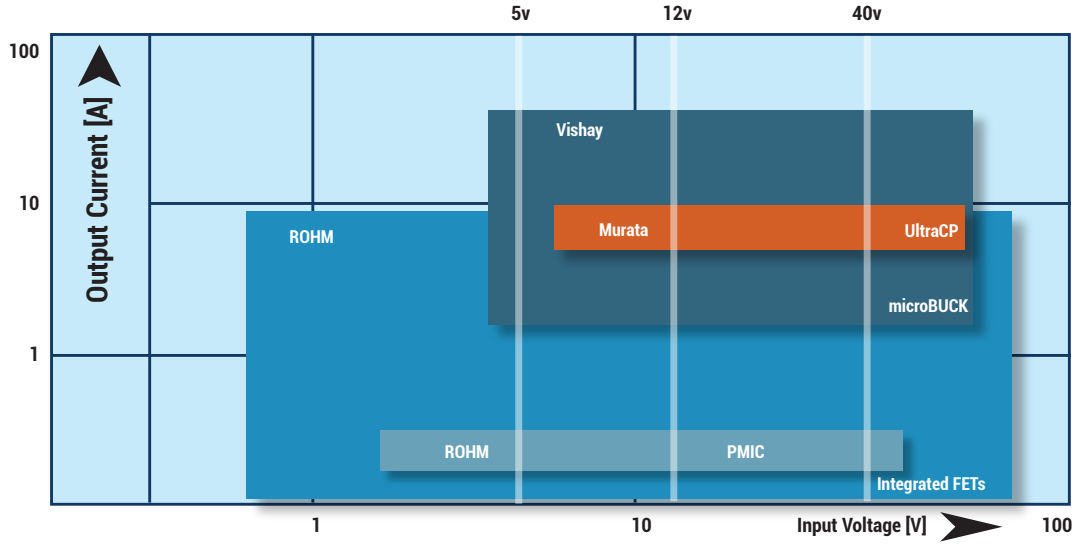
High-Efficiency Power Conversion at the Load

DC-DC Point of Load (PoL) Converters provide precise and efficient power conversion directly at the load, optimizing performance and minimizing power losses. These converters offer superior voltage regulation, faster transient response, and improved system reliability compared to traditional power architectures. By delivering the required power exactly where it is needed, PoL converters reduce the complexity of power distribution networks, lower overall system costs, and enhance energy efficiency. Whether in computing, telecommunications, or industrial applications, DC-DC PoL Converters are the optimal solution for modern high-performance electronic systems.

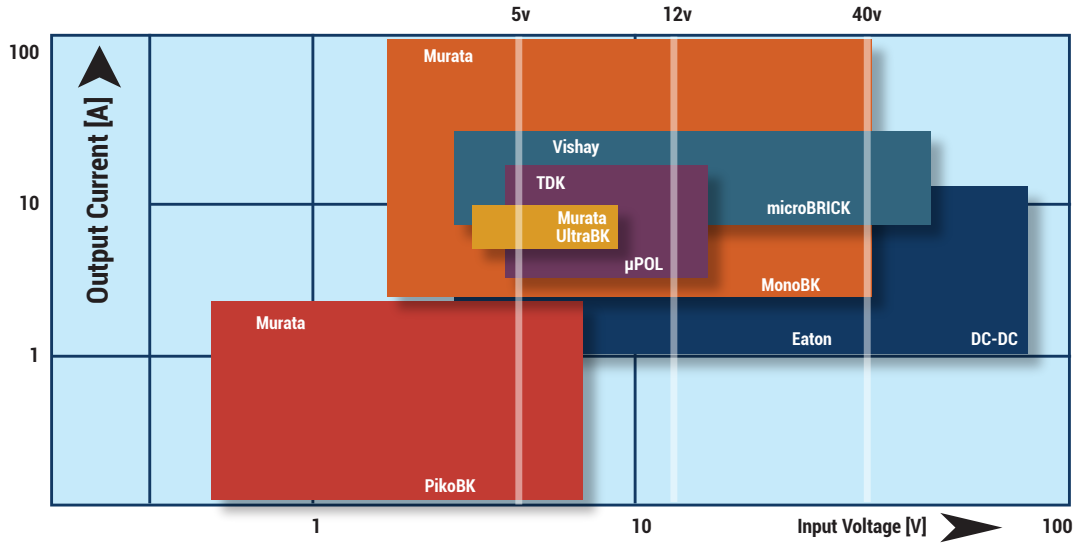
Reach your local TTI Specialist at
+65 6510 1846

ttiasia.com

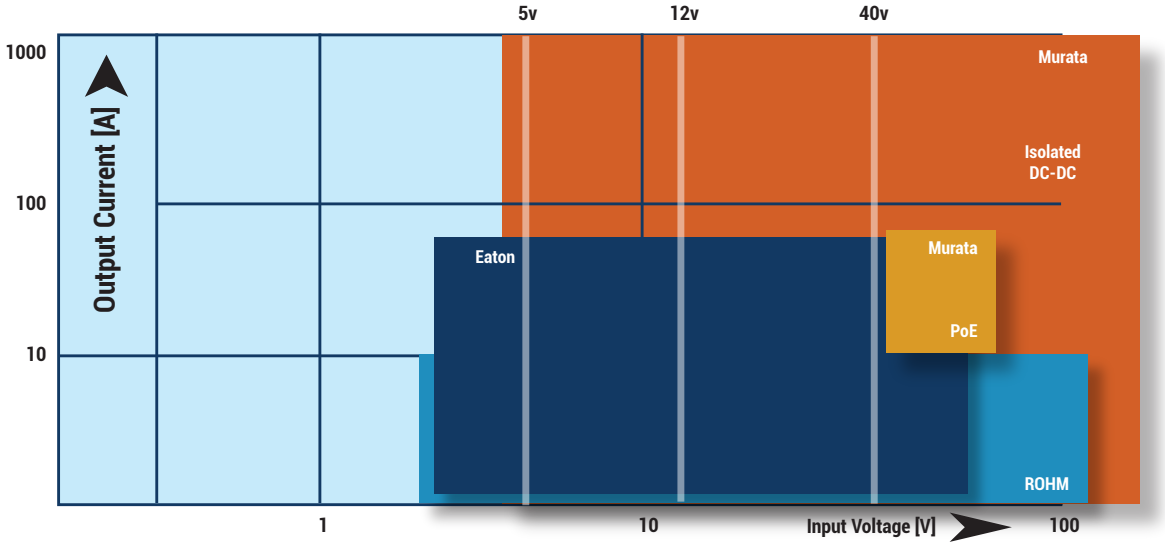
Step Down Controllers + FETs (External Inductor)



Step Down Controllers + FETs + Inductor (Integrated Modules)



Isolated Step Down DC-DC Converters



EATON

Powering Business Worldwide

- Integrated Modules
- Isolated/Non Isolated Converters

ROHM SEMICONDUCTOR

- DC-DC Converter ICs
  - Buck, Boost, Buck-Boost
- Flyback Switching Converters
- Linear Regulators (LDOs)
- Power Management ICs (PMIC)
- LED Drivers
- Gate Drivers
- AECQ Qualified (Automotive)

Littelfuse®

Expertise Applied | Answers Delivered

- LED Drivers
- Gate Drivers

muRata

INNOVATOR IN ELECTRONICS

- Non Isolated Module
  - Mono/PicoBK
- Isolated Module
  - Bricks, PoE
- Isolated Gate Drivers
  - MOS, SiC, GaN

TDK

µPOL Series

- Up to 16Vin/3 to 25 A
- Scalable to 200A
- Non-Isolated Step-Down
- Fully Integrated
- As Small as 3.3mm x 3.3mm
- Extensive Reference Design Library for AMD, Intel, NXP, Marvel and Cavium

PANJIT SEMI CONDUCTOR

- Buck Converters
- Boost Converters
- Linear Regulators (LDOs)
- AECQ Qualified (Automotive)

VISHAY

The DNA of tech.®

- MicroBUCK
  - Integrated – External Inductor
  - Up to 60Vin
- MicroBRICK
  - Fully Integrated
- VRPower
  - DRMOS Power Stage

DC-DC Point of Load Converter Portfolio

DC-DC Point of Load Converter Portfolio	Eaton	Littelfuse	Murata	PANJIT	ROHM Semiconductor	TDK	Vishay
Linear Regulators/LDO				◆	◆		
PWM Controllers							
Step-Down (Buck)					◆		
Step-Down with Integrated MOSFETs			◆		◆		◆
Step-Up (Boost)/Buck-Boost				◆	◆		
Modules							
Fully Integrated Modules	◆		◆			◆	◆
Isolated Modules	◆		◆				
Multi Outputs							
PMIC			◆		◆		
Control Interface							
I2C/PMBus			◆		◆	◆	◆
Specialty Converters							
Power Over Ethernet (PoE)			◆				
USB Type C					◆		
LED Drivers		◆			◆		
Battery Management							
Energy Harvesting Power Management							
Gate Drivers							
MOSFETs (MOS)		◆	◆		◆		
IGBT		◆	◆		◆		
Silicon Carbide (SiC)		◆	◆		◆		
Gallium Nitride (GaN)			◆		◆		
Automotive Portfolio			◆	◆	◆	◆	◆

Specifications Required

1. Input Voltage (Vin)?
2. Output Voltage (Vout)?
3. Max/Typical Output Current (Iout)?
4. Integration (Fully discrete, integrated MOSFETs or Modules)
5. Need isolation?
6. Operating Temperature Range?

The IP&E Specialist

Year after year, customers rate our inventory availability, on-time delivery and accuracy among the very best in the industry – call your local TTI Specialists at +65 6510 1846 and discover why.

DC-DC Point of Load Ancillary Components

CAPACITORS	Chemi-Con	Knowles	KYOCERA AVX	Murata	Nichicon	Panasonic	TAIYO YUDEN	TDK	Vishay	YAGEO
Ceramic/MLCC	◆	◆	◆	◆			◆	◆	◆	◆
Tantalum/Polymer Tantalum			◆			◆			◆	◆
Aluminum Polymer	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

MAGNETICS	Bourns	Eaton	Murata	Panasonic	TDK	Vishay	YAGEO
Inductors	◆	◆	◆		◆	◆	◆
Ferrite Beads	◆	◆	◆	◆	◆	◆	◆
Transformers	◆	◆	◆		◆	◆	◆

PROTECTION DEVICES	Bourns	Eaton	KYOCERA AVX	Littelfuse	Murata	ROHM Semiconductor	Vishay	YAGEO
eFuses				◆		◆	◆	
Over Current	◆	◆	◆	◆	◆	◆	◆	◆
Over Voltage	◆	◆	◆	◆	◆	◆	◆	◆

OPTOELECTRONICS	Kingbright	Littelfuse	ROHM Semiconductor	TT Electronics	Vishay
Optocouplers	◆	◆	◆	◆	◆

POWER SEMICONDUCTOR MOSFETs	Littelfuse	PANJIT	ROHM Semiconductor	TT Electronics
Low-Voltage <200V	◆	◆	◆	◆
High-Voltage >200V	◆	◆	◆	
Silicon Carbide (SiC)	◆		◆	
Gallium Nitride (GaN)			◆	

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