



Series: PCM3

Din-rail Mounted Battery Voltage Converter



FEATURES & BENEFITS

- Converts Battery Voltage to Lower/Higher Value
- 3.6, 5, 9, 12, 15, 18 & 24 Vdc Output Models
- Economical Din-rail Enclosure Design
- Provides Up To 2 Amps Continuous Output Power

APPLACATIONS

- Wireless Sensors, Transmitters, Base Stations
- Process Controls, Instrumentation
- Meters, Controllers, Valves, Pumps
- Telemetry & SCADA Equipment

DESCRIPTION

Din-rail design provides up to 2 Amps of power for low voltage, low power sensors, controls and instrumentation. These units efficiently regulate and condition 6 or 12 volt battery power into a lower or higher voltage.

General Specifications

- Enclosure: Din-rail (35mm) Plastic
- Wire Connection: 22 –12 AWG
- Temperature Range: -40 to 175°F (±40 to 80°C)
- Dimension: 0.89 x 3.23 x 3.54" (22.5 x 82 x 90 mm)

Model Number	PCM3-SD-[*]	PCM3-12	PCM3-SU-[*]**]
Converter Type / Isolation	Step-down / none	Buck-Boost / none	Step-up / none
Voltage Input Range	6 to 35 Vdc	3 to 15 Vdc	6 to 22 Vdc
Voltage Output (by model)	3.6, 5, 9 Vdc	12 vdc	15, 18, 24 vdc
Maximum Output Current	2 A	2 A	2 A
Switching Frequency	150 KHz	150 KHz	50 KHz
Voltage/Load Regulation	± 0.5% / ± 0.5%	± 2.5% / ± 0.5%	± 0.5% / ± 0.5%
Max Efficiency	92%	95%	92%
Output Ripple Max	70mv	40mv	70mv

*Insert 3.6, 5, or 9 in model number for desired output voltage (Example: PCM3-SD-3.6)

**Insert 15, 18 or 24 in model number for desired output voltage (Example: PCM3-SU-24)

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Note: Continued product improvements make specifications subject to change without notice. Check www.imagineinstruments.com for the latest product information and updates

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