



Series: PCM2



Din-rail Battery Voltage Converter

FEATURES & BENEFITS

Converts Battery Voltage Into Lower/Higher Value

3.6, 5, 9, 12, 15, 18 & 24 Vdc Output Models

Economical Din-rail Enclosure Design

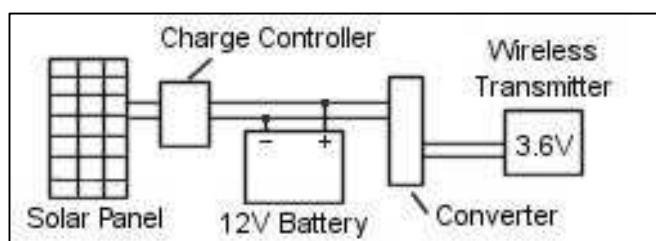
Provides Up To 1 Amp Continuous Power

APPLACATIONS

Wireless Sensors, Transmitters, Base Stations

Process Controls, Instrumentation

Meters, Controllers, Valves, Pumps



Application example using Model: PCM2-3.6

DESCRIPTION

Designed for off-grid solar power systems that provide power to low voltage, low power sensors and instrumentation. These units efficiently convert 6 or 12 volt battery power into the required voltage to power your device. Available in 3.6, 5, 9, 12, 15, 18 or 24 Vdc outputs.

General Specifications

Enclosure: Din-rail (35mm) Glass-filled Polycarbonate

Wire Connection: 22 –12 AWG

Temperature Range: -40 to 175°F (±40 to 80°C)

Dimension: 2.4 x 2.4 x 0.5" (60 x 60 x 12.5 mm)

Model Number	PCM2-SD-[*]	PCM2-12	PCM2-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 35 Vdc
Voltage Output (by model)	3.6, 5, 9 Vdc	12 Vdc	15, 18, 24 vdc
Maximum Output Current	1 A	1 A	1 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: PCM2-SD-3.6)

**Insert 12, 15, 18 or 24 in model number for desired output voltage (Example: PCM2-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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