

DCM6-R

Ripple Voltage Monitoring

DATA COLLECTION MODULE

01

APPLICATIONS: The DCM6-R is ideal for applications that require:

- Monitoring high-voltage battery strings up to 300 volts
- Oversight of critical power assets in data centers and utilities
- String-wide ripple voltage measurement in large systems

02

KEY FEATURES:

- Supports operating voltages from 24 to 300 VDC
- Measures ripple voltage across entire battery strings
- Provides accurate monitoring for high-voltage applications
- Integrates with other Cellwatch modules for unified oversight
- Includes built-in protection against reverse polarity and surges
- Compact design for installation in large-scale systems

03

WHAT SETS THE DCM6-R (300V) APART?

- Monitors battery strings up to 300V
- Provides certified ripple measurement in high-voltage systems
- Delivers reliable performance in large-scale critical infrastructure environments

04 TBUILT FOR HIGH VOLTAGE SYSTEMS: The DCM6-R monitors strings up to 300 volts with certified ripple measurement. Engineered for utilities and data centers, the DCM6-R delivers confidence and precision in large-scale applications.



05 DCM6-R: Ripple voltage monitoring data collection module.

Product Codes	
763001	DCM6-R (Ripple)
763002	DCM6-R (Ripple) w/Din Rail

06 Technical Specifications

Environmental Operating Temperature Relative Humidity Maximum Altitude Power Supply (Full Functionality)	0-60 °C 5-85% non-condensing 3,000 m (10,000 ft) 24-300 Volts DC
Protection Transient Suppression Short Circuit Protection Reverse Polarity Protection Insulation Resistance	600W Internal 4-amp fuse Any combination 1000 MΩs >1Kv
Operating Current Quiescent Current Sleep Current after 25 hours	12 mA <2 mA

06

Technical Specifications

Standard Measurement Characteristics	Range	Resolution	Accuracy
Ripple Voltage	0 - 5 VAC rms	1 mV	2% +/- 5mV
String Voltage	24 - 300 VDC	10 mV	0.5% +/- 100mV
Mechanical			
Fiber Optic Range	Min: 150mm (6 in) - Max: 50m (150 ft)		
Dimensions	4.2" × 3.1" × 0.9" (107 mm × 80 mm × 23 mm)		
Mounting Pads	3M Dual Locks™		
Base plate with mounting holes	Optional		
Base plate with DIN rail mount	Optional		
Enclosure Material	ABS		
Wire Lead Length	72 inches		