

100A-1200A
REVENUE GRADE SPLIT CORE
RECTANGULAR CURRENT
TRANSFORMERS



PART OF
BEMSIQ
GROUP

DENT’s SPBL-Series Split-Core Current Transformers are designed for Revenue Grade applications requiring very high accuracy and are ideal for larger current loads. The SPBL-Series supports current ratings from 100A to 1200A, making it perfect for energy & demand metering, tenant submetering, and load surveys.

Key Specifications for Individual CTs						
Current Rating	100A	200A	400A	600A	800A	1200A
Current Range	1-150A	2-300A	4-600A	6-900A	8-1200A	12-1800A
Window A	.75"		1.25"	2"		3"
Window B	.75"		1.25"	2"		5"



ELECTRICAL TENANT BILLING
REVENUE GRADE DEFINITIONS

- Revenue Grade: Billing-level accuracy
- Revenue Grade Submeter: Should have an error of less than 0.2%
- Revenue Grade CT: Tested to meet IEEE C57.13 Class 0.3 or Class 0.6 specifications
- ANSI C12.20 Approved: Specifically tested meter/CT



General Specifications for All Revenue Grade CTs

Output	333 mV at rated current
Accuracy ¹	+/-0.3% at rated current (typical)
Phase Error ¹	<0.2° at rated current (typical)
Accuracy Class ¹	IEC 61869-2 Class 0.2 IEEE C57.13 Class 0.3
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Frequency Range	50 to 400 Hz
Case Material	120°C UL Recognized Plastic
Leads	2.4 M (8'), twisted pair, 18 AWG, 600V rated
Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Working Voltage	600 VAC, Category III
Dielectric Strength	5400 VAC
Certification	UL Listed to UL 2808 CAN/UL 2808 CSA STD C22.2 No. 61010-1

¹ When used with DENT PowerScout meters with ratio and phase corrections.
When conductor is in center of CT window.

All specifications contained in this document are subject to change without notice.
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