

October 22, 2020

SaskPower Metering
3162 Belick Street
Santa Clara, CA 95054

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This letter is to inform SaskPower Metering that the Stratus IQ BSA4 meters have completed testing to the following requirements performed at Eurofins E&E. Testing was performed under purchase order number 4500452031.

Customer Specific Test Program

Test Number	Test Description	Result
ANSI 5.5.4.1	No Load	Compliant
ANSI 5.5.4.2	Starting Load	Compliant
ANSI 5.5.4.3	Load Performance	Compliant
ANSI 5.5.4.4	Effect of Variation of Power Factor	Compliant
ANSI 5.5.4.5	Effect of Variation of Voltage	Compliant
ANSI 5.5.4.6	Effect of Variation of Frequency	Compliant
ANSI 5.5.4.7	Equality of Current Circuits	Compliant
ANSI 5.5.4.8	Internal Meter Losses	Compliant
ANSI 5.5.4.9 UL2735 Sec 15	Temperature Rise with UL2735 Sec 15 monitoring points	Compliant
ANSI 5.5.4.11	Effect of Internal Heating	Compliant
ANSI 5.5.4.13	Stability of Performance	Compliant
ANSI 5.5.5.2, SASKPower Section 4.5	Insulation Dielectric Strength Interruptions (Tested in conjunction w/ ANSI Test #15. The 240V meters will be tested at 4kV)	Compliant
ANSI 5.5.5.3, SASKPower Section 4.3	Voltage Dips and Short Interruptions (Tested in conjunction w/ ANSI Test #16)	Compliant
ANSI 5.5.5.4	100 KHz and 1.2/50 μ s Line Surge	Compliant
ANSI 5.5.5.5	Effect of External Magnetic Field	Compliant
ANSI 5.5.5.6, SASKPower Section 4.13	Effects of Variation of Ambient Temperature	Compliant
ANSI 5.5.5.7	Effect of Temporary Overloads	Compliant
ANSI 5.5.5.8	Effect of Current Surge in Ground Conductor	Compliant
ANSI 5.5.5.10	Effect of Voltage Variation/Secondary Time Base	Compliant
ANSI 5.5.5.11	Effect of Variation of Ambient Temperature/Secondary Time Base	Compliant
ANSI 5.5.5.12	Fast Transient/Burst	Compliant
ANSI 5.5.5.13	Effect of electrical oscillatory SWC	Compliant
ANSI 5.5.5.14	Radio Frequency Interference	Compliant
ANSI 5.5.5.15, SASKPower Section 4.8	Conducted/Radiated Emissions High Frequency Electromagnetic Compatibility Testing – Radio Emission	Compliant
ANSI 5.5.5.16	ESD	Compliant
ANSI 5.5.5.17, SASKPower Section 4.12	Effect of Storage Temperature TStor-Min = -55°C (Test 29)	Compliant
ANSI 5.5.5.18, SASKPower Section 4.12	Effect of Operating Temperature Toper-Min = -40°C (Test 30)	Compliant
ANSI 5.5.5.19, SASKPower Section 4.11	Effect of Relative Humidity 6 cycles at 85°C, 95% RH	Compliant

ANSI 5.5.5.20	Mechanical Shock	Compliant
ANSI 5.5.5.21	Transportation Drop	Compliant
ANSI 5.5.5.22	Mechanical Vibration	Compliant
ANSI 5.5.5.23	Transportation Vibration	Compliant
ANSI 5.5.5.24	Weather Simulation test performed at the	Compliant
SASKPower 4.15	IEC 60068-2-5 irradiance level	Compliant
ANSI 5.5.5.25	Salt-Spray test	Compliant
ANSI 5.5.5.26	Rain-tightness	Compliant
SASKPower	39 - UL2735	Compliant
SASKPower Section 4.6	40 - IEC 61000 4-13 High Freq. EMC. Harmonics	Compliant
SASKPower Section 4.7	41 - IEC 61000 4-6 High Freq. EMC. Immunity to conducted disturbances induced by RF	Compliant
IEC 60529, SASKPower Section 4.9, 4.10, 4.5	42 - IEC 60529 Degrees of Protection provided by Enclosure (IP)	Compliant
SASKPower Section 4.2	43 - Extended Overvoltage	Compliant
SASKPower Section 4.4	44 - High Temperature Alarm Testing	Compliant
SASKPower Section 4.14	45 - Extreme Low Temperature Soak Test	Compliant
SASKPower Section 4.16	46 - Meter Exchange Test	Compliant
SASKPower Section 4.17	47 - Meter Hanger Test	Compliant
SASKPower	48 - Combination Test	Compliant
Section 4.18	Combination Test (SASKPower 4.9)	Compliant
	Combination Test (SASKPower 4.11)	Compliant
NEMA TR-30	Service Switch Insulation Test	Compliant
NEMA TR-30	Continuous Class Ampere Test for Service Switch	Compliant
NEMA TR-30	Cycling Operation and Heat Rise of Service Switch	Compliant
NEMA TR-30	Close on Fault	Compliant
NEMA TR-30	Load Side Voltage Sense	Compliant
UL2735 Sec 15:	(Service Switch placed in Open State):	Compliant
ANSI 5.5.5.2	Insulation	Compliant
ANSI 5.5.5.4	100 KHz and 1.2/50 us Line Surge	Compliant
ANSI 5.5.5.12	Fast Transient/Burst	Compliant
ANSI 5.5.5.14	Radio Frequency Interference	Compliant
ANSI 5.5.5.15	Conducted/Radiated Emissions	Compliant
SASKPower Section 4.1.2		
UL508 SASKPower Section 4.1.3	Overload Test	Compliant

For specific details regarding the extent of the testing and the configuration of the product tested, please consult the data provided by Eurofins E&E. Please contact me with any questions or comments.

Sincerely,

[Redacted Signature]

[Redacted Name]
Test Engineer, MAC Lab