



HIGH PRECISION CURRENT & VOLTAGE MEASUREMENT SYSTEM



1,000 V GALVANIC ISOLATION

IVT-S // CURRENT & VOLTAGE SENSING

ISAscale® shunt-based current & voltage sensor designed for DC applications

Introduction

- Current range up to $\pm 2,500$ A
- Voltage range up to $\pm 1,200$ V
- 16-bit analog-digital converter
- Communication based on CANbus 2.0
- CANbus data base container (DBC) available
- Output rate: 1 kHz



Applications

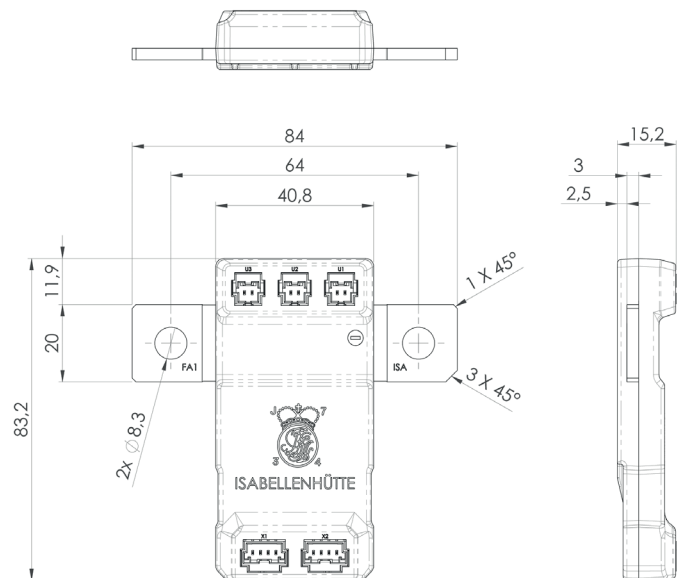
Battery and storage based applications:

- Hybrid and full electric devices
- UPS systems
- Electrical energy storage systems
- Fuel cells
- Transportation systems
- Traction battery system

Features

- Up to three voltage measurement channels
- 12 V and 24 V application
- Continually stored logdata
- Basis isolation DC voltage 1,000 V

Dimensions [mm]



Technical data

Description						Unit
Measurement range	± 100	± 300	± 500	$\pm 1,000$	$\pm 2,500$	A
Resolution	3	10	27	47	186	mA
Initial accuracy						% of reading
Total accuracy						% of reading
Linearity						% of range
Voltage measurement range						V