

PARAMETERS	SPECIFICATIONS
SOC accuracy	±3%
SOH accuracy	±2%
Passive Balancing Current	200mA per cell
Accuracy of HV measurement	±100 mV
Accuracy of temperature measurement (NTC)	±1 °C (from -10 to 70 °C)
Standby consumption (sleep mode)	3.12 mW (Max)
Active consumption	1.5 W (Max)
Single cell voltage measurement accuracy	±1.6 mV (at 25 °C)
Current measurement accuracy	±0.5% @ 120A
Range of temperature measurements	From -40 to +120 °C
Number of Voltage channels	8-15 channels
Range of HV measurement	17-60V
Detectable cell voltage range	0-5 Vdc
Maximum current, continuous	100A
Peak current in maximum 10 seconds	120A
Dimensions (L x W x H) & weight	150mm X 75mm
Temperature channels	4 on-board, 6 external (NTC)
On-board current measurement	Yes - Auto-calibrated on-board shunt
On-board power disconnect	Yes
CAN ports	1
On-board RTC	Yes
Pre-charge control on board	Yes-300 mS for 7 mF
Bi-directional current protection	Yes
Number of GPIOs	4 independent open drain outputs
Maximum drain voltage of GPIOs	36V (max 30V)
Maximum guaranteed GPIO continuous drain current	0.7A (max 0.5A)
Communication	CAN communication CAN 2.0 A/B; 11 bit and 29 bit ID's
Parallal pack / "Hot Swap" functionality	Yes, 6 battery packs
DC/DC auto-off shut-down	Yes