



PRODUCT DATA SHEET

Lithium Block®

Modular Lithium Battery Block

Configuration		1S 10P
Capacity		34 Ah
Parallel at Module Level		No Limit*
Voltage	Nominal	3.6V
	Charge	4.2V
	Discharge	2.5V
Charge Current	Standard	25 A
	Maximum	50 A
Discharge Current		130 A
Discharge Current	Maximum	200 A for 10s

Physical Characteristics

Shape	Prismatic	
Dimensions	D	0.985in
	W	3.15in
	H	8.61in
Weight	592g	
Materials	Fire Retardant Glass Filled ABS	
Protection	Individual Cell Fusing	
	Individual Cell Temp Monitoring*	

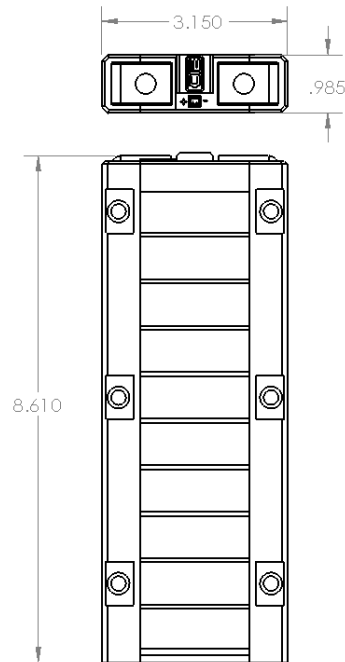
*Depending on configuration

Specs are based on Mollicel INR-18650-M35A

The Lithium Block® battery is the core component of a modular energy storage system. Lithium Block® systems can be sized for power output and voltage and configured to fit almost any application with ease.

The Lithium Block® interfaces with any BMS and features individual cell fusing and optional individual cell temperature monitoring.

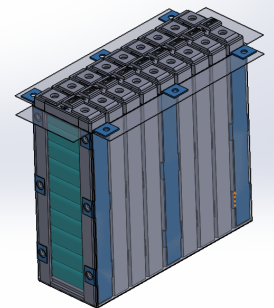
Lithium Block® standard or custom brackets can interface with a variety of enclosures for easy assembly and secure attachment as well as provide secure module to module interlock.



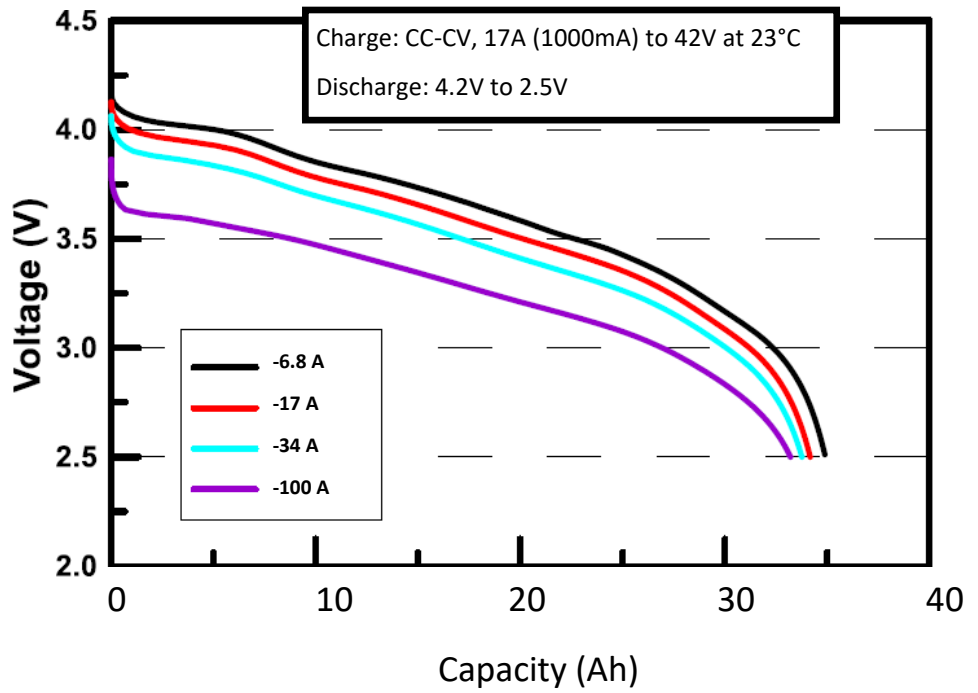
1S 10P Module



Snap Lock interconnect covers for touch safe operation

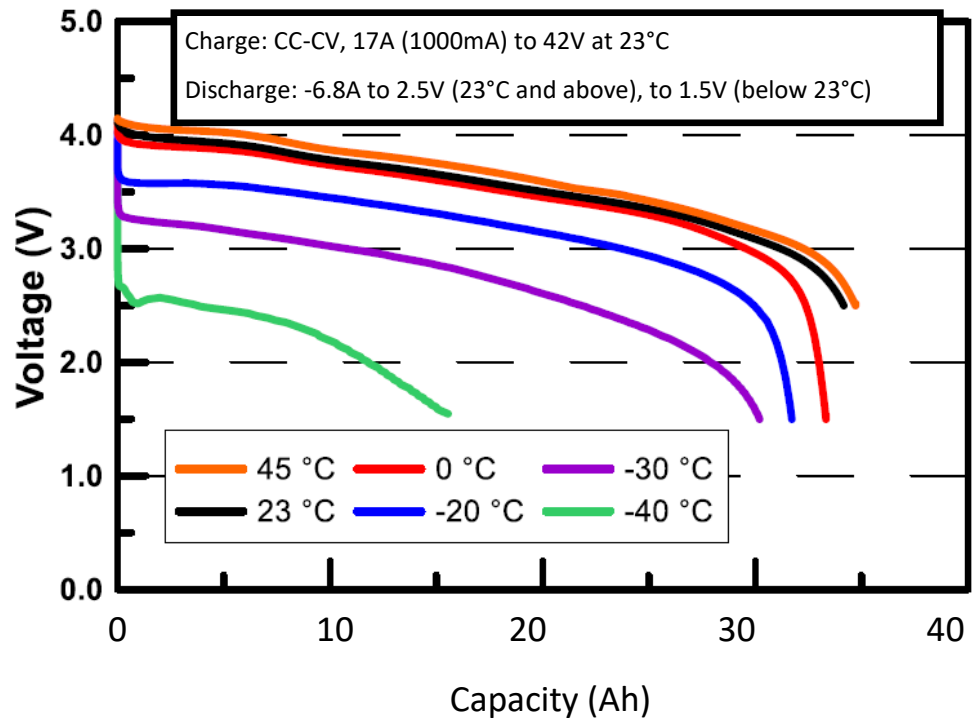


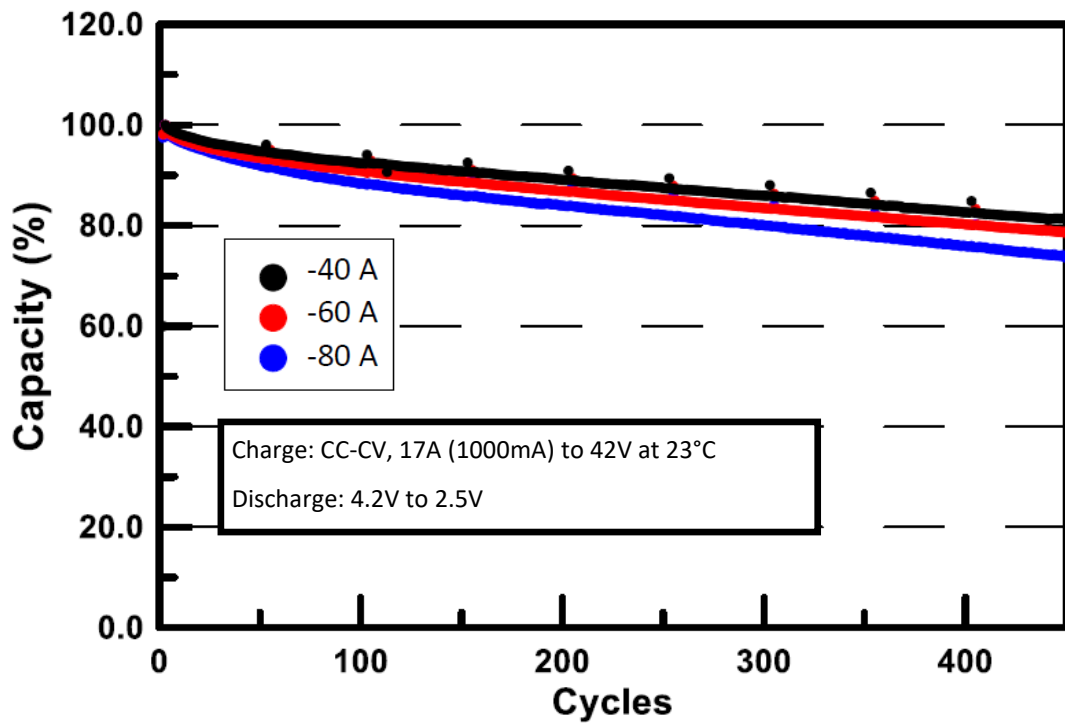
Rate	Capacity Ah	Max Temp Deg C
C/5	35	25
C/2	34	29
C	33.7	34
-100A	33.2	61



Temp Deg C	Capacity Ah
-40	20
-30	30.1
-20	31.6
0	33.4
23	35
45	35.3

*: 1.5V LCV





Important note on cycle life: By limiting charge to 4.15 V and discharge to 2.75 V cycle life can be increased significantly. Charge cycles up to 5000 are possible when limited correctly.