



18650 Cells for Increased Longevity



Voltaplex 18650s with Dreamweaver Separator

Cylindrical cells, produced by CHAM Battery, that incorporate the Dreamweaver separator are now available for your needs. The Dreamweaver separator acts as a getter for water in the battery, resulting in increased cycle life. These NMC811 cells are perfect for designing battery packs today.

Description		Specification
Nominal Capacity (at 20°C)		3000 mAh
Nominal Voltage		3.6V
Charging Method		CCCV
Charging Voltage		4.2V
Charging Current		1.6A
Max Charging Current		3.2A
Ambient Temp	Charge	0°C ≤ T ≤ 15°C - 0.64A 15°C ≤ T ≤ 30°C - 1.6A 30°C ≤ T ≤ 45°C - 3.2A
	Discharge	-20°C ≤ T ≤ 0°C - 0.64A 0°C ≤ T ≤ 10°C - 1.6A 45°C < T ≤ 50°C - 3.2A 10°C < T ≤ 45°C - 9.6A
	Storage	One month: -20°C ~ 50°C Three months: -20°C ~ 45°C One year: -20°C ~ 25°C
Weight		46.0 ± 1.0g
Dimensions (Typ.)	(D)	18.6mm
	(H)	65.2mm
Volumetric Energy Density		675 wh/L @ 0.5C
Gravimetric Energy Density		240 wh/Kg @ 0.5C
Internal Resistance (@1000 Hz)		31 mOhms
Cycle Life Projected		90% at 300 cycles
Max Continuous Discharge		9.6A