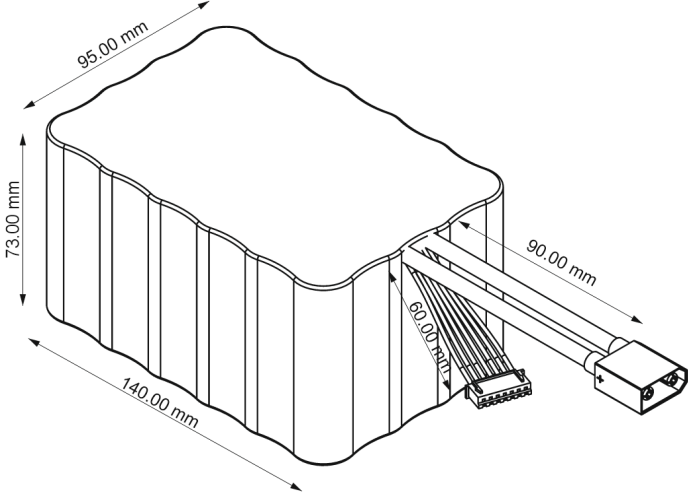


BATTERY 6S4P-21700 Datasheet					
Version		1.0		Date June 3rd 2024.	
<b>Drawings</b>					
					
<b>Specification</b>					
<b>CELL DATA</b>			<b>PACK DATA</b>		
Cell Brand		MoliceL	Cells in Series	6	
Cell Type		21700	Cells in Parallel	4	
Cell Model	INR-21700-P42A / INR-21700-P42B		Cells in total	24	
Cell Chemistry		Lithium-Ion	Pack Capacity	Typical	16800 mAh
Cell Capacity	Typical	4200 mAh		Minimum	16000 mAh
	Minimum	4000 mAh	Pack Voltage	Nominal	21.6 V
Cell Voltage	Nominal	3.6 V		Charge	25.2 V
	Charge	4.2 V		Discharge	15.0 V
	Discharge	2.5 V	Constant Charge Current, max.	16.8 A	
Typical Impedance	AC (1KHz)	10 mΩ	Discharge Current, continuous, max.	180 A	
	DC (10A/1s)	16 mΩ	Peak Discharge Current, <1 sec.	300 A	
Energy Density	Volumetric	615 Wh/l	C-Rate (Charge, max.)	2.00 C	
	Gravimetric	230 Wh/kg	C-Rate (Discharge, max)	7.10 C	
Charge Current, standard		4.2 A	Pack Weight, max.	~1825 g	
Charge Temperature		0 - 45 °C	Pack Volume, max.	~970 cm <sup>3</sup>	
Discharge Temperature		-40 - 60 °C	Length, max.	140 mm	
Shape		Cylindrical	Width, max.	95 mm	
Can		Steel	Height, max.	73 mm	
Diameter		21.7 mm (max.)	Main Connector	XT90	
Height		70.2 mm (max.)	Main Cable	10 AWG, 90 mm	
Weight		70 g (max.)	Balance Connector	JST-XH, 7 pos.	
Storage Temperature (>1 Year)		<23°C	Balance Cable	22 AWG, 60 mm	