

	M.A.P ELECTRONICS CO., LTD.	P/N:	30BE00000007A0
		Rev.	0.1
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1. Scope:

This product specification shall be applied to Lithium-ion Rechargeable Battery.

2. Descriptions and Model Number:

2.1. Descriptions	Rechargeable lithium-ion battery pack
2.2. Battery Cell Configuration	14S10P
2.3. Application	LEV

3. Composition:

Lithium-ion battery and Protection circuit module.

4. Product Specification:

Cell Model	LG LI-ION INR21700M50LT 4800mAh	
Battery Pack Capacity	45000mAh (58.1V fully charge(end current 0.5A), after 0.2C discharge to 35V cut-off at 25°C)	
Battery Pack Nominal Voltage	51.66V	
End Voltage	35V	
Nominal Charge Current / Voltage	58.1V/14.4A	
Max Continuous Charge Current	14.4A@0~25°C (0.3C)	smart charger controlled
	20A@25~45°C	
Max Continuous Discharge Current	24A@-20~10°C (0.5C)	
	72A@10~25°C (1.5C)	
	48A@25°C~55°C (1.0C)	
Max Peak Discharge Current	100A	
Internal Resistance	<50mΩ	
Charging Method	CC/CV	
Charge Time	Around 4 hours	
Operation Temperature	Charge: 0~+45°C	
	Discharge: -20~55°C	
Storage Characteristic (Percentage of recoverable capacity 80%)	1 month	-20 ~ +55°C
	3 month	-20 ~ +45°C

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11.3. Mechanical Outline Dimension:

