

Requirement sheet (basic specification) for a lithium-ion energy system

The information you provide in this form will serve as a basic thought starter before our first meeting and will help us advise you in the best possible way. It will form the basis of the initial energy system specification.

You don't have all the data yet? That's not a problem. Any further requirements are often resolved during the joint development of the solution.

Please don't hesitate to contact us for assistance with this form: Phone: +49 40 611 631-0 Email: info@battery-kutter.de

Please send the completed questionnaire to info@battery-kutter.de. We look forward to helping you with your project!

Your Battery-Kutter Team

Contact details

	Name	Email	Phone
Project Manager:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Technical contact:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Commercial contact:	<input type="text"/>	<input type="text"/>	<input type="text"/>

General project details

Customer name:	<input type="text"/>		
Technology (preferred):	Please select:	<input type="text"/>	
Cell type (preferred):	Please select:	<input type="text"/>	
Use case:	Detailed description:	<input type="text"/>	
	Web-link:	<input type="text"/>	Please attach pictures separately.
Your project phase:	Please select:	<input type="text"/>	
Please describe the scope of the request:	<input type="text"/>		

Project plan

QUANTITY	Annual quantities	Samples/prototypes	Start of production	Series production (Year 1 Year 2 Year 3)		
	Month/Year:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Quantity:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Target price:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Electrical parameters

PACK	Parameter	Unit	Request	Remarks
	DISCHARGE	Configuration:	xS yP	<input type="text"/>
Capacity:		C (Ah)	<input type="text"/>	<input type="text"/>
Lifetime (expected):		Cycles / 80% DoD	<input type="text"/>	<input type="text"/>
Power consumption of the application:		P (W)	<input type="text"/>	<input type="text"/>
Nominal operating voltage of the application:		U nom (V)	<input type="text"/>	<input type="text"/>
Maximum operating voltage of the application:		U max (V)	<input type="text"/>	<input type="text"/>
Nominal constant current consumption of the application – if possible load profile:		I nom (A)	<input type="text"/>	<input type="text"/>
Maximum current consumption of the application:		I max (A) / t max (s)	<input type="text"/>	<input type="text"/>
Minimum ambient temperature during application:		T min dis (°C)	<input type="text"/>	<input type="text"/>
Maximum ambient temperature during application:		T max dis (°C)	<input type="text"/>	<input type="text"/>
Additional information on discharge/load case: Anything that helps us better understand your application.		<input type="text"/>		

Parameter	Unit	Request	Notes
Expected charging time:	t ch (h)	<input type="text"/>	<input type="text"/>
Charging temperature	T (°C)	<input type="text"/>	<input type="text"/>
Information about recuperation:	U max (V) @ t (ms)	<input type="text"/>	<input type="text"/>
How high do the voltages and currents rise? Over what time?	I max (A) @ t (ms)	<input type="text"/>	<input type="text"/>

Protective circuit/ BMS

Parameter	Info	Request	Remarks
Communication interface:	Data bus	<input type="text"/>	<input type="text"/>
Charging status display:		<input type="text"/>	<input type="text"/>
Additional information:	<input type="text"/>		

Mechanical requirements

Parameter	Unit	Request	Remarks
Maximum available installation space:	L (mm)	<input type="text"/>	<input type="text"/>
	W (mm)	<input type="text"/>	<input type="text"/>
	H (mm)	<input type="text"/>	<input type="text"/>
Type of battery housing:		<input type="text"/>	<input type="text"/>
IP class:	IP	<input type="text"/>	<input type="text"/>
Additional information about the housing e.g. with handle, rubberised, lacquered, with lock etc.:	<input type="text"/>		

Certifications

Parameter		Request	Remarks
UN 38.3:	Mandatory	<input type="text"/>	<input type="text"/>
IEC 62133 - 2:2017:	Recommended	<input type="text"/>	<input type="text"/>
UL certification:	For your application	<input type="text"/>	<input type="text"/>
Worldwide market access:	Countries/regions	<input type="text"/>	<input type="text"/>

Additional requirements and information about the energy system and the end use

Description and further details:

Charger requirements

Parameter	Unit	Request	Remarks
Charging solution:	Please select:	<input type="text"/>	<input type="text"/>
Maximum output power:	P (W)	<input type="text"/>	<input type="text"/>
Input voltage:	U ch (V)	<input type="text"/>	<input type="text"/>
Maximum charge current:	I ch (A)	<input type="text"/>	<input type="text"/>
Maximum dimensions:	L x W x H (mm)	<input type="text"/>	<input type="text"/>
IP class:	IP	<input type="text"/>	<input type="text"/>
Additional information:	<input type="text"/>		