

## ESS and Lithium Battery Technical Requirement Form

General Information						
Company Name				Technical Contact		
System Voltage				Customer Tel		
Sales Manager		Tel		Customer Email		
Sales Engineer	SPECIALIZED	Tel		Completion Time		
Application Type (PV, wind energy storage station / Telecommunication / Energy storage rack/UPS (on-line back-up) / other energy storage system):						
Project Overview(to replace lead acid battery/new system design):						
Technical Data						
Application Notes / Specifics:						
ESS Purpose		<input type="checkbox"/> Peak-shift / Peak- shave / control electrical demand <input type="checkbox"/> collect the useless power from solar and wind <input type="checkbox"/> Electric power demand response <input type="checkbox"/> emergency power supply <input type="checkbox"/> UPS <input type="checkbox"/> _____				
Battery Type		<input type="checkbox"/> LiFePO4 <input type="checkbox"/> _____				
System Type		<input type="checkbox"/> on-grid <input type="checkbox"/> off-grid/micro-grid <input type="checkbox"/> off grid (off-grid<2MW)				
System Energy		[     ]KWh or [     ]MWh				
Rated Output Power		[     ]KW or [     ]MW				
On-grid Voltage		<input type="checkbox"/> AC220V <input type="checkbox"/> AC380V <input type="checkbox"/> 10kV <input type="checkbox"/> 35kV <input type="checkbox"/> _____V				
On-grid Frequency		<input type="checkbox"/> 50Hz <input type="checkbox"/> 60Hz <input type="checkbox"/> _____V				
On-grid Connection Mode						
Power of each PCS		<input type="checkbox"/> 100kw <input type="checkbox"/> 250kw <input type="checkbox"/> 500kw <input type="checkbox"/> _____kw				
Redundancy Requirement						
Battery Pack Data		Voltage (V)		Capacity (Ah)		Cycle Times per day
Battery Box Data		Weight of each box				
		Dimension of each box (max.)				
		Battery Installation Mode(Bracket/Screw Fixation/insert/ground-mounted/wall- mounted/holding pole)				
		Box Color				
		Box Material				
Communication Port		<input type="checkbox"/> CAN2.0B <input type="checkbox"/> RS485 <input type="checkbox"/> RS232 <input type="checkbox"/> Ethernet <input type="checkbox"/> _____				

System Efficiency					
Market Access Condition					
System Anti-seismic Requirement					
Other Requirements					
Supply Scope					
Battery Pack	<input type="checkbox"/> YES <input type="checkbox"/> NO	Lifetime Requirement		Efficiency Requirement	
		Supplier		Others	
PCS	<input type="checkbox"/> YES <input type="checkbox"/> NO	Lifetime Requirement		Efficiency Requirement	
		Supplier		Others	
Monitoring System	<input type="checkbox"/> YES <input type="checkbox"/> NO	Lifetime Requirement		Efficiency Requirement	
		Supplier		Others	
Connection Cables for equipment	<input type="checkbox"/> YES <input type="checkbox"/> NO	Including the power cable, distribution cable, communication cable, and so on for the equipment (optional)			
Connection Cable to the customer equipment	<input type="checkbox"/> YES <input type="checkbox"/> NO	Including the power cable, distribution cable, communication cable, grounding cable and so on for the customer equipment (optional)			
Environment Data					
Installation Place, connection condition and mode					
Altitude					
Indoor Temperature					
Outdoor Temperature					
Ambient Humidity					
Others					
Warranty					
Requirements of Product appearance, dimensions and weight					
IP Grade					
Others					