
	SPEC of 51.2V/420AH Fork lift Solution	The file number: 20240802-61

1、64 PCS FREY 36130-105AH cells, 4 parallels and 16 serial, make a battery.

NO	Item	General Parameter		Remark
1	Cell Model	FREY 36130-105AH		Single, 36*130*200mm
2	Casing material for single cell	Aluminum alloy		
3	Standard capacity (0.3CA)	420Ah		
4	Rated voltage	51.2V		Work voltage: 3.20V
5	Max.Charge voltage	58.4V		Single Ave. charge Voltage:3.65V
6	Cut-off voltage	44V		Single Ave. Discharge Voltage: 2.75V
7	Standard charge current	≤200A		
8	charging Time	About 2 h		
9	Continuous discharge current	200A		
10	Peak discharge current	420A		10seconds
11	Battery dimension	≤905*805*475mm(L*W*H)		RAL7043
12	Total weight (Approx.)	About 825 kg		
13	Charge method (CC/CV)	charge	0°C~55°C	
		discharge	-20°C~60°C	
		storage	20°C~45°C 25%-65%	Avoid direct sunlight :Relative humidity
14	IP Grade	IP54		

15	REST TIME	1H	
16	Forklift model	7FB25	
17	Remote CAN	YES	
18	Charging auxiliary voltage	12V/DC	
19	Wiring definition diagram	<p style="text-align: center;">REMA80-160-320</p> 	
20	External three-in-one control box	 	

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2 Drawing outline:

