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# LFPS-481000S

Cell 3.2V 50Ah  
Module(Shelf) 48V 100Ah  
(15S2P)

Radio relay stations  
small and medium-sized base stations  
communication offices  
Emergency power supply for various utility

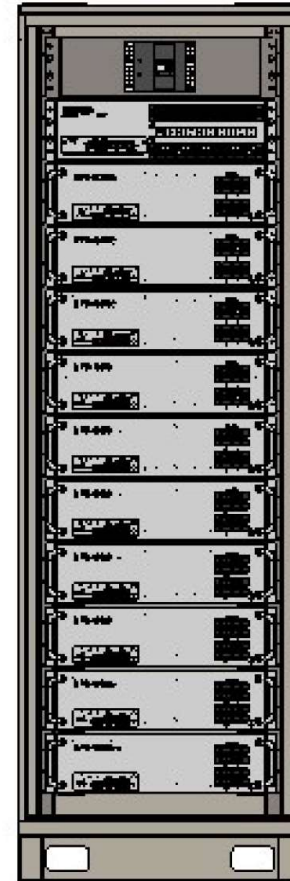
## Cell Specification

Item	Parameters	Remark	Reference
Model	LFPC-3250		
Nominal Capacity(Ah)	50	RT / 0.5C DCH to 2.5V	
Nominal Voltage(V)	3.2		
Internal Impedance(mΩ)	≤ 0.7	AC 1kHz	
Weight(kg)	1.17±0.02		
Energy Density(Wh/kg)	137	RT / 1C1C	
Energy Density(Wh/L)	270	RT / 1C1C	
Cycle Life(Cycles)	5000	80% SOC; RT / 0.5C, 0.5C; 2.5V to 3.65V	
Self-discharge Rate	≤ 4%	@month	
Standard Charge Current(A)	50	1.0C	
Max. Charge Continues Current(A)	50	1.0C	
Max. Charge Voltage(V)	3.65		
Standard Discharge Current(A)	50	1.0C	
Max. Discharge Continues Current(A)	100	2.0C	
Discharge End Voltage(V)	2.0		
Dimensions (mm)	148.4(width) * 39.7(length) * 100.6(height)		



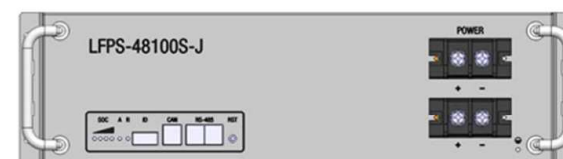
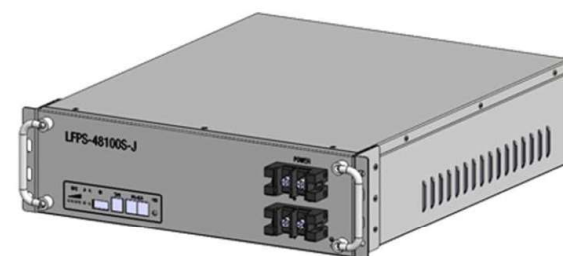
## System Specification [LFPS-481000S]

Item	Specification	Reference
Model	LFPS-481000S-G2003	
Energy(KWh)	48	
Typical Capacity(Ah)	1000	
Rated Voltage(V)	48	
Standard Charge Voltage(V)	53.5	
Standard End Voltage(V)	42.0	
Standard Charge Current(A)	100 (0.1C, Limited Charge)	
Standard Discharge Current(A)	500 (0.5C)	
Maximum Charge Current(A)	1000 (1.0C, Full Charge)	
Maximum Discharge Current(A)	1000 (1.0C)	
Communications	CAN	
Operating Temperature(°C)	-30 ~ 65	
Energy Density	(Wh/L)	83.33
	(KWh/m2)	133.33
Dimensions (WxDxH) (mm)	600 x 600 x 1600	
Weight (kg)	≤ 520	



## Module Specification

Item	Parameters	Remark	Reference
Model	LFPS-48100S-J	15S2P	
Rated Voltage(V)	48		
Typical Capacity(Ah)	100	0.5C discharge @25°C	
Typical Capacity(KWh)	4.8	0.5C discharge @25°C	
Standard Charge Voltage(V)	53.5	Voltage per Cell 3.55V	
Standard Charge Current(A)	10	0.1C, Limited Charge	
Standard Discharge Current(A)	50	0.5C @25°C	
Max. Cont. Charge Current(A)	50	0.5C @25°C	
Max. Cont. Discharge Current(A)	100	1.0C @ 25°C	
Communications	CAN	CAN 2.0	
Temperature Range of Charge(°C)	-30 ~ 55		
Temperature Range of Discharge(°C)	-30 ~ 65		
Energy Density (KWh/L)	142.15		
Dimensions (mm)	483.0(width) * 550.5(depth) * 127.0(height)		
Weight (kg)	≤ 48.3±2		





## System Specification [LFPS-481000S]



[KDDI Installation Radio relay stationsSite]