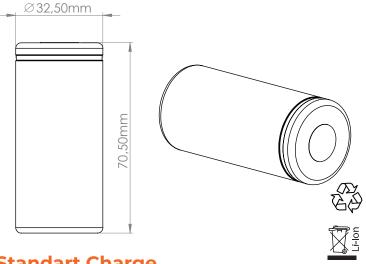


## HRF3270XL60SE LiFePo4 Cell Datasheet



## **Standart Charge**

0.2C, CC-CV to 3.65V, 60mA Cut off.

#### **Standart Discharge**

0.2C, CC to 2.0V.

#### **Cycle Test Condition**

Charge 0.5C, CC-CV to 3.65V, 60mA Cut off, rest 30 min; Discharge 0.5C CC to 2V, rest for 20min Repeat cycling till discharge capacity in 2 successive cycles is less than 80% of the initial capacity.

## **Transportation**

This battery's transport must be noted that this is a lithium-Ion battery (dangerous goods class 9 / UN3480 / pacing group II. ADR / RID. IATA DGR. IMDG). During transport, do not disassemble the batteries or the box(es) to violent shaking, bumps, rain, and direct sunlight. Keep the battery(s) at a half-charged state.

Cell Specifications		
Nominal Voltage	3.2V	
Capacity Typical	6000mAh	
Capacity Minimum	5950mAh	
Weight	≤145g	
Size, Max.(LxWxH) mm	32.5mmx70.5mm	

Operating Specifications		
Operating Voltage	3.6V - 2V	
Charge Voltage	3.65V	
Operating Temperature Charge Discharge	0C° to 45C° -20C° to 60C°	
Discharge Current	0.2C (-10C° to 60C°) Standard 1C ( 0C° to 45C°) Rapid 3C Max. Discharge Current (Cut-off Discharge Voltage 2.0V) 5C Peak (25°C±2°C) 10ms	
Charge Current	0.2C (0~+45°C) Standart 1C (0~+45°C) Rapid	
Cycle Life	>2000 cycles at 25 ±2°C - 0.5C/1C capacity ≥80%	

Characteristics and Safety		
Internal Resistance at 1kHz AC	<13mΩ	
Fully Charged short circuit	No Fire, No explosion	
at 25C°	Surface temp: <150C°	
Over Charge to 4.8V with 3C	No Fire, No explosion	
Over heat to 130C°	No Fire, No explosion	

Storage Specifications		
Storage Temperature RH: %0 to %70	1 year :	0C° to 35C°
	3 months :	-10C° to 35C°
	1 month:	-10C° to 45C°

# For Safety

- a. Do not disassemble cells.
- b. Do not use cell when something abnormal found such as smells, deformation, discoloration, and so on.
- C. Do not re-use Li-lon cells or other parts after removing from the packs.
- d. When the electrolyte leakage occurs, do not touch the liquid.
- e. Once watered, cells may have potential malfunctions. Do not use those cells.
- f. Do not have cells in the hot temperature (60C° or more)
- g. Do not put cells into fire.
- h. Do not crush/nail cells.
- i. Do not apply solder directly to cells.

HDA Power Enerji Depolama Sistemleri San. Tic. A.Ş

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