

AC-LiPoAccu-xxxx-000

Lithium-Polymer accumulator 620/1000 mAh



Function:

- Rechargeable Lithium-Polymer accumulator with available capacities of:
 - 620 mAh
 - 1000 mAh

Features:

- Higher power densities than a Lithium-Ion accumulator

Technical specifications

Electrical characteristics			Mechanical characteristics		
Output voltage	V	11.1	Weight		
Available capacities	mAh	620	AC-LiPoAccu-620-000	g	70
	mAh	1000	AC-LiPoAccu-1000-000	g	100
Charging (DC constant current/-voltage)			Dimensions		
Current (3 cells)			AC-LiPoAccu-620-000	mm ³	60x34x19
charge	mA	1C*	AC-LiPoAccu-1000-000	mm ³	75x38x20
discharge	mA	2C*	Power connector	AMP Super Seal, 2PF	
Voltage (3 cells)			Balancer connector	JST, 4PF	
charging voltage	V	12.6±0.15	Environmental		
discharge cut-off voltage	V	8.25	Ambient temperatures		
<div style="color: red;"> ▽ Attention: * *The maximum charging current may not exceed 1C (= nominal capacity). E.g. if you like to charge a 1050 mAh LiPo battery, you have to adjust the charger to the maximum of 1050 mAh and also select the suitable voltage rate (11.1 V for 2D batteries). Please make sure your charger is developed for LiPo batteries. We recommend to use AC-LiPo3Charger-000. LiPo batteries should not be discharged more than 70% of their nominal capacity (e.g. if your battery has a capacity of 1050 mAh you should draw a maximum of 780 mAh from it) LiPo cells are very sensitive to undervoltage so never let the voltage drop below. 7.8 V on a 2D standard 11.1 V accumulator pack! </div>			charge	°C	0 to +45
			discharge	°C	-20 to +60
			Storage temperatures		
			< 1 month*	°C	-20 to +50
> 1 month*	°C	-20 to +35			
			* On the charge of 50%		

Ordering information

620 mAh ⇒ AC-LiPoAccu-620-000

1000 mAh ⇒ AC-LiPoAccu-1000-000

AC-LiPoAccu-xxxx-000

Lithium-Polymer accumulator 620/1000 mAh

Dimensions



AC-LiPoAccu-1000-000: 75x38x20[mm³]



AC-LiPoAccu-620-000: 60x34x19[mm³]

Risk when using the battery



Do not dip or wet the battery in water, seawater, or liquid. If the protecting device assembled in the battery is damaged, the battery may be charged with an abnormal current and voltage, which may result in cause of heat generation, explosion, or fire of the battery.

The battery has a predetermined polarity. If the battery will not connect well to the charger or equipment, do not try to connect the battery forcefully. Check the polarity first. In the case the battery is connected in reverse, it is charged reversely and may cause acid leakage, heat generation, explosion, or fire due to an abnormal chemical reaction.

Risk when charging the battery



Do not use any battery charger not specified for Li-Po-battery. If the battery is charged under other conditions (a high temperature, a high voltage / current, or an altered charger) not specify. The battery may cause heat generation, explosion, or fire with abnormal chemical reactions.

Do not connect the battery directly to an electric outlet or cigarette heater socket in a car. Applying a high voltage may generate an excessive current, and get and electric shock. In such case, the battery may leak electrolyte, overheat, explode, or cause fire.

Do not charge the battery near fire or in a car under the blazing sun. Such a high temperature may cause damage of the protection device in the battery, which may result in heat generation, explosion, or fire.



We recommend to use 2D "AC-LiPo3Charger-000". The operation and setting of this charger package will be described in an own manual: AC-LiPo3ChargerHQ-000-operatingmanual. You can download this manual from the 2D homepage: [Products] [Hardware] [Accessories]

Connector layout

Connector type

Power connector, AMP Super Seal, 2PF

Pin	Name	Description	Color
1	PWR	Power	red
2	GND	Ground	black



front view

Balancer connector, JST, 4PF

Pin	Name	Description	Color
1	GND	Ground	black
2	Cell 1	LiPo Cell 1	white
3	Cell 2	LiPo Cell 2	white
4	Cell 3	LiPo Cell 3	red



front view