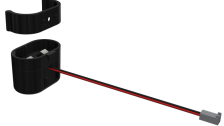




Datasheet ES012002-01

Lithium Battery 12V / 2Ah (LiFePO4)



Battery specifications	
Model / Article number	ES012002-01
Chemistry	LiFePO4
Cycle life	>2000 (80% DOD)
Warranty	1 year (and max 1500 cycles)
Internal Discharge Current	< 40 μ A
Output (Discharge)	
Nominal Voltage	12.8 V
Capacity	2 Ah / 25.6Wh
Continuous Output Current	2.5 A
Discharge overcurrent protection	6.5 \pm 1.5 A (delay 100 \pm 50 ms)
Short circuit protection delay	300 \pm 200 μ s
Temp. Discharge	-20°C to +60°C
End of Discharge Voltage	2.1 V / Cell
Input (Charge)	
Max Charge Voltage	14.6 V
Max charge current	0.4 A (0.2C)
Temp. Charge	0°C to +45°C
Charging mode	CC-CV
Balance Current	36 mA
Dimensions	
Length	142 mm
Width	44.5 mm
Height	23 mm
Weight	0.2 kg
Environmental	
Enclosure	PC/ABS Casing
Battery Connection	With battery clips in battery holder/ docking
Ingress protection	IP 30
Temp. Storage	-10°C to +45°C
Safety	
Protections	Temperature / Over (dis) charge / Short-circuit / Overcurrent
Compliance	
Certifications	UN38.3 / MSDS / CE

Accessories		
ES2300022	Battery holder & clip for ES012002-01 With 130mm cable and connector Molex 22013027	
ES2300023	Battery charge docking for ES012002-01	
ES2400015	Charger LiFePO4 14.6V 0.4A DC Jacket output	

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