

# Datasheet ES012080-01

## Lithium Battery 12V / 80Ah (LiFePO4)



<b>Battery specifications</b>	
Model	ES012080-01
Chemistry	LiFePO4
Cycle life	>2000 (80% DOD)
Warranty	1 year (and max 2000 cycles)
Internal Discharge Current	< 100 $\mu$ A
<b>Output (Discharge)</b>	
Nominal Voltage	12.8 V
Capacity	80 Ah / 1024 Wh
Nominal Output Current	60 A
Max Pulse Discharge Current	70 A
Temp. Discharge	-20°C to +55°C
End of Discharge Voltage	2.5 V / Cell
<b>Input (Charge)</b>	
Max Charge Voltage	14.6 V
Max charge current	20 A
Temp. Charge	0°C to +45°C
Charging mode	CC-CV
Balance Current	70 mA
<b>Dimensions</b>	
Length	260 mm
Width	170 mm
Height	205 mm
Weight	12.5 kg
<b>Environmental</b>	
Enclosure	Stainless steel casing with handle powder coated RAL 7016
Out- / Input Connector	Anderson SB50 Yellow
Ingress protection	IP 65
Temp. Storage	-10°C to +45°C
<b>Safety</b>	
Protections	Temperature / Over (dis) charge / Short-circuit / Overcurrent
External Fuse	Yes, 60A MAXI fuse
<b>Compliance</b>	
Certifications	UN38.3 / MSDS / CE



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