

# Data Sheet – EFOY Lithium Battery

- Winter suitability down to -20°C
- Battery-Management-System
- High discharging current and high usable capacity



EFOY Li 70 – 12V

EFOY Li 105 – 12V

	EFOY Li 70 – 12V	EFOY Li 105 – 12V
Battery type	Lithium iron phosphate (LiFePO4)	
Nominal voltage	12.8 V	
Nominal capacity	70 Ah	105 Ah
Nominal energy capacity	896 Wh	1344 Wh
Cycle life time (80% DOD at 0,2 C)	3000	
Certifications	CE, UN 38.3, ECE-R10	
Charging specifications		
Maximum charge voltage	14.6 V	
Float voltage	13.2 ... 13.8 V	
Maximum charge current	70 A	105 A
Recommended maximum charge current	35 A	52 A
Charging characteristics	CCCV / IU	
Storage time	Check voltage every 3 months and charge if necessary	
Discharge specifications		
Deep discharge protection	< 10,5 V	
Recommended low voltage disconnect	11 V	
Maximum continuous discharge current	70 A	105 A
Maximum discharge current for 5 minutes	150 A	200 A
Maximum discharge current for 5 seconds	230 A	300 A
Mechanical specifications		
Dimensions (L x W x H)	269 x 175 x 190 mm	368 x 175 x 190 mm
Weight	11.8 kg	16.3 kg
Protection class	IP 44	
Inclination	Continuous: 90 °	
Case material	Stainless steel powder coated	
Temperature specifications		
Operating temperature charge <sup>1</sup>	-20 °C ... +45 °C	
Operating temperature discharge	-20 °C ... +60 °C	
Charging below 0 °C possible	Yes, internal heater function: down to -20°C	

<sup>1</sup> At temperatures below 0 ° C and sufficient charging current, the standard heating element heats the battery until the cells are warmer than 0 ° C and can be loaded