

PHI 730™ BATTERY



- 12V and 24V LFP batteries with proprietary architecture and Battery Management System (BMS) – do not require ventilation, cooling or thermal regulation
- Compatible with all industry standard inverter/charge controllers
- Drop in replacement for lead acid
- LFP is the safest, most environmentally benign Lithium Ion chemistry available – no cobalt, risk of thermal runaway or fire
- No AC or toxic liquid cooling – negligible parasitic drain – long cycle life
- Non-toxic and non-hazardous recyclable materials

PHI 730™	12V	24V
DC VOLTAGES - NOMINAL	12.8 VDC	25.6 VDC
AMP HOURS	57 AH	28 AH
RATED kWh CAPACITY @ C/2	730 Wh DC	730 Wh DC
RATED kWh CAPACITY @ 80% DOD	584 Wh DC	584 Wh DC
MAX Discharge Rate (10 minutes)	50 Amps DC (640 W DC)	25 Amps DC (640 W DC)
MAX Continuous Discharge Rate	28.5 Amps DC (364.8 W DC)	14 Amps DC (358.4 W DC)
MAX Continuous Charge Rate	28.5 Amps DC (364.8 W DC)	14 Amps DC (358.4 W DC)
DC Voltage Range ¹	12 VDC to 14 VDC	24 VDC to 28 VDC
Depth of Discharge ¹	up to 100%	
Operating Efficiency	98%	
Charging Temperature ¹	32° to 120° F (0° to 49° C)	
Operating Temperature ¹	-4° to 140° F (-20° to 60° C)	
Storage Temperature	1 year: 50° to 68° F (10° to 20° C) 3 months: 32° to 77° F (0° to 25° C) 1 month: -4° to 86° F (-20° to 30° C)	
Self-Discharge Rate	< 1% per month	
Cycle Life	10,000+ Cycles (@ 80% DOD)	
Memory Effect	None	
Warranty Period	10 Years or 10,000 Cycles (@ 80% DOD)	
Weight	17.14 lbs (7.77 kg)	
Dimensions (W x H x D)	11.25 x 5.25 x 6.25 in. / 0.21 ft ³ (28.58 x 13.34 x 15.88 cm / 0.06 m ³)	

1. Max operating ranges. Refer to Warranty for recommended conditions.

- All specifications listed are typical/nominal and subject to change without notice.
- Meet transport safety weight requirements: Less than 35 kg including packaging
- UN 3480, Lithium ion batteries, 9, II
- UL, CE, UN/DOT and RoHS compliant components - UL Certified
- Designed and manufactured in California, USA

CONFORMS TO
UL STD 1973