

PowerSafe® iON 36-1800 Battery



Featuring the industry's most advanced lithium-ion (Li-ion) technology, PowerSafe® iON 36-1800 batteries are built to the highest safety and manufacturing standards. Designed to work with the Alpha® XM3.1-HP Broadband UPS for optimized charging and remote management, PowerSafe® iON 36-1800 battery provides superior energy density in a compact form factor, ideal for cable broadband outside plant applications where runtime and reliability are essential.

The PowerSafe® iON 36-1800 battery and remote system features a battery management system (BMS) capable of managing up to twenty two batteries. The BMS provides additional levels of protection for the batteries, including overvoltage, undervoltage and overcurrent. It manages cell balancing and temperatures to help maintain overall State of Health (SoH) of the battery.

Features & Benefits

- 36 VDC nominal voltage, 50 Ah capacity
- High energy density lithium-ion chemistry
- Up to 50 stackable units per system
- Compliant with UN 38.3, UL® 1973
- Module State of Charge (SoC) balancing
- Remote monitoring via Continuity or AlphaXD

Battery Voltage	36Vdc (Nominal); Range: 30.0Vdc to 40.7Vdc					
Capacity	50 Ah					
Energy	1.81 kWh (1.65 kWh rated) (@ 40.7V max. - based on 1C discharge rate at 25°C)					
Runtimes (Standby Time)						
Batteries	Load					
	16A	14A	12A	8A	6A	4A
8	9hrs	10hrs	12hrs	14hrs	23hrs	33hrs
16	17hrs	20hrs	24hrs	29hrs	45hrs	66hrs
22	24hrs	28hrs	32hrs	38hrs	63hrs	92hrs
Mechanical						
Dimensions (W x D x H)	6.57 × 13.54 × 5.27 in (167 × 317 × 134 mm)					
Weight	32.8 lb (14.9 kg)					
Agency Compliance						
Certifications	Compliant with UN 38.3, UL® 1973					



EnerSys World Headquarters
2366 Bernville Road, Reading,
PA 19605, USA
Tel: +1-610-208-1991 /
+1-800-538-3627

EnerSys EMEA
EH Europe GmbH,
Baarerstrasse 18,
6300 Zug
Switzerland

EnerSys Asia
152 Beach Road,
Gateway East Building #11-08,
Singapore 189721
Tel: +65 6416 4800

Contact: