BATTERIES FOR ALL APPLICATIONS

NexSys TPPL	NexSys iON	HAWKER perfect plus	HAWKER Water Less	HAWKER evolution	IRONCLAD
Maintenance-free batteries		Traditional Flooded Lead Acid batteries			
Advanced lead acid battery technology for high demand and fast charge without the need for watering	Most advanced lithium-ion battery chemistry, optimized for intense applications	European harmonization of capacities and sizes in DIN (German Institute for Standardization) and BS (British Standard) ranges	Largest watering space in standard battery heights for the longest topping up interval	Maintenance free without the need for watering	More amp-hour in the same space for medium and heavy duty applications
Thin Plate Pure Lead (TPPL)	Lithium-ion (Li-ion)	Tubular positive plate	Tubular positive plate	Tubular positive plate	Square tubular plate
High energy density Valve Regulated Lead Acid (VRLA) product	Recyclable Nickel Manganese Cobalt (NMC) cell chemistry	Flooded Vented Lead-Acid product	Low maintenance lead-acid product	Gell type Valve Regulated Lead-Acid (VRLA) product	Flooded Vented Lead-Acid product
No watering	No watering	Central point watering Optional Hawker Aquamatic™ battery watering system	Extended watering intervals (4/8/13 weeks) Central point watering Optional Hawker Aquamatic™ battery watering system	No watering	Central point watering Optional Hawker Aquamatic™ battery watering system
High demand applications	Severe demand applications	Suitable for all applications	Suitable for all applications	Low and normal duty applications	Heavy-duty applications
Up to 5-year warranty[1]	5 years full warranty, plus 2 years pro-rata[1]	Speak to your EnerSys® representative for details			
Up to 160% to 240%[2] daily throughput in opportunity charging applications	Up to 300% daily throughput in opportunity charging application[3]	Up to 120% daily throughput in opportunity charging applications	Up to 120% daily throughput in opportunity charging applications	Up to 80%	Up to 120% daily throughput in opportunity charging applications
Fully recharge 4-5 hours. Approximately 2 hours (20% up to 98%), once per week. Subject to charging rate.	Dual-cable charging - recharges in 1 hour. Complete full recharge will take approx 1.5 hours and is not mandatory. Subject to charging rate.	Recharge in 8-12 hours[4]	Recharge in 6-8 hours[5]	Recharge in 8-12 hours[6]	Recharge in 7-9 hours[5]

1) Certain warranty conditions may apply, speak to your EnerSys representative for details.
2) 240% applies to models equipped with the Accelerated Throughput Package.
3) Energy throughput can vary based on a variety of factors. Speak to your EnerSys representative for details.
4) When used with EnerSys HF chargers.
5) At 80% Depth of Discharge.
6) At 60% Depth of Discharge.

CHARGERS FOR ALL APPLICATIONS

IMPAQ™	NexSys®+	NexSys® COMpact	NexSys® AIR
Value packed charger for standard and opportunity charging	Premium charger with intuitive controls, wireless communication and optional outdoor charging* for easy mixed fleet battery management	The best-in-class high frequency onboard charging solution	Hands-free wireless charging that improves safety and drives productivity in automated equipment (AGV) applications
Advanced HF Modular Technology	Advanced HF Modular Technology	Advanced features and compact size	Wireless induction charging technology
LCD display screen and LED indicators	Multi-colour screen	LED indicators	Multi-colour touch screen
NexSys® TPPL standard application and Flooded Lead Acid batteries. Cold storage profile	All NexSys® TPPL, NexSys® iON batteries and Flooded Lead Acid batteries. Cold storage application, heavy-duty charging profile	NexSys® TPPL, Flooded and Gel batteries	NexSys® TPPL, NexSys® iON batteries and Flooded Lead Acid batteries
Battery voltage auto-detect	Auto detection of voltage and capacity, communicates wirelessly to a Wi-iQ® battery monitoring device and CAN to the CDI device for exact control based on battery type; E Connect™ app compatible	Recharge anytime at the nearest available AC socket, embedded LVA and Wi-iQ® battery monitoring device, E Connect™ app compatible	Auto detection of any battery voltage, technology and capacity, communicates via CAN with Wi-iQ® battery monitoring device and CDI for precise control of all charging parameters
Electrovalve control and air mix pump	Standard bluetooth, optional ethernet, WiFi, remote or external analog control, Electrovalve control and air mix pump	Standard bluetooth, optional CANbus communication	Bluetooth Low Energy (BLE), ethernet and WiFi
CE and UKCA certified			

EnSite™

Find your optimal solution. EnerSys® takes hand calculations and guesswork out of selecting the right power system for your fleet.
We combine your fleet's power data with our advanced EnSite™ simulation system to find a solution that supports your operations while reducing ownership costs.
Contact your local EnerSys® representative to learn more.

*Requires an optional NexSys®+ Outdoor charger model with NEMA 3R / IP54 rated enclosure. Designed for typical weather conditions, not for submersion or areas prone to flooding.

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