BATTERIES FOR ALL APPLICATIONS

NexSys TPPL | NexSys iON | perfect plus™ | evolution™ | Water Less® | IRONCLAD | Express

Virtually Maintenance-free		Traditional Flooded Lead Acid				
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	Virtually maintenance free without the need for watering	Largest watering space in standard battery heights for the longest topping up interval	More amp-hour in the same space for medium and heavy duty applications	Highest capacity fast charge battery, with heavy duty posts and intercell connectors for fast charge demands
Thin Plate Pure Lead (TPPL)	Lithium-ion (Li-ion)	Tubular positive plate	Tubular positive plate	Tubular positive plate	Square tubular plate	Square tubular plate
High energy density Valve Regulated Lead Acid (VRLA) product	Lithium-ion cell chemistry	Flooded Vented Lead-Acid (VLA) product	Gell type Valve Regulated Lead-Acid (VRLA) product	Low maintenance lead-acid product	Flooded Vented Lead-Acid (VLA) product	Up to 17% more capacity in the same space
No watering	No watering	Central point watering Optional Hawker Aquamatic™ battery watering system	No watering	Extended watering intervals (4/8/13 weeks) Central point watering Optional Hawker Aquamatic™ battery watering system	Central point watering Optional Hawker Aquamatic™ battery watering system	Check water weekly
High demand applications	Severe demand applications	Suitable for all applications	Low and normal duty applications	Suitable for all applications	Heavy-duty applications	High demand applications
Up to 4-year warranty*	5 years full warranty, plus 2 years pro-rata on power modules*	Speak to your EnerSys® representative for details				4 full year warranty when charged with Express® chargers
Up to 160% daily throughput in opportunity charging applications	Up to 300% daily throughput in opportunity charging application**	Up to 120% daily throughput in opportunity charging applications	Up to 80%	Up to 120% daily throughput in opportunity charging applications	Up to 120% daily throughput in opportunity charging applications	Up to 160% daily throughput in opportunity charging applications
Fully recharge in 2 hours. Complete full recharge will take approximately 4 hours, 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***	Recharge in 8 hours****	Recharge in 6-8 hours*****	Recharge in 7-9 hours*****	Recharge in 4 hours

* Certain warranty conditions may apply, speak to your EnerSys representative for details.
** Energy throughput can vary based on a variety of factors. Speak to your EnerSys representative for details.
*** When used with EnerSys HF chargers.
**** At 60% Depth of Discharge.
***** At 80% Depth of Discharge.

CHARGERS FOR ALL APPLICATIONS

IMPAQ™	NexSys®+	Express®	NexSys COMpact	NexSys® AIR
Value packed charger for standard and opportunity charging	Premium charger with wireless communication and upgraded display for easy mixed fleet battery management	Designed and programmed with wireless communication specifically for fast charge applications	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 HF Modular Technology	Advanced features and compact size	Induction wireless technology
LCD display screen and LED indicators	Multi-colour screen	Multi-color 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	Exclusive fast charge profile with pulses and temperature compensation	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® device and CAN to the CDI device for exact control based on battery type; E Connect app compatible	Communicates with a required Wi-iQ device to set battery parameters and continuously control charger based on temperature; E Connect app compatible	Recharge anytime at the nearest available AC socket, embedded LVA and Wi-iQ® device, E Connect app compatible	Auto-detection of any voltage, technology and capacity. It communicates in CAN with the Wi-iQ® device and the CDI for exact control of all batteries parameters during the recharge
Electrovalve control and air mix pump	Standard bluetooth, optional ethernet, WiFi, remote or external analog control (PLC), Electrovalve control and air mix pump	Optional ethernet, WiFi, remote or external analog control	Standard bluetooth, optional CANbus communication	Bluetooch Low Energy (BLE), ethernet and WiFi
CE 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.

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PRELIMINARY VERSION