HySEIS™
Energy Solution

Get Everything About Your Battery

www.hytera.com

Let Your Battery Talk

A battery is to radios what a heart is to human beings. No battery powers, no radio works. But managing massive batteries is another challenge. Insufficient battery care may lead to shortened battery life, unnecessary service downtimes, and high battery replacement costs.

Hytera introduces HySEIS^{TM} Energy Solution. This solution helps you understand all about your batteries such as health status, age, and lifespan, facilitating that predictive and preventive measures are taken before the problems occur. So battery management is no longer a disturbing issue, but a simple thing you can handle with ease.

What is HySEIS^{TM}?

HySEIS^{TM} is the latest Hytera self-developed smart safety management system. As the Hytera solution portfolio, HySEIS^{TM} creates a safe and smart technology ecosystem to support more efficient, more intelligent, and safer communications.

Why HySEIS^{TM} Energy?

As a key part of HySEIS^{TM}, HySEIS^{TM} Energy employs exclusive Hytera HySEIS^{TM} Battery and HySEIS^{TM} Charger technologies to make battery management more efficient.

- HySEIS^{TM} Battery helps build safer, more lightweight and durable batteries.
- HySEIS^{TM} Charger gives you a safe and quick charging experience.

HySEIS™ Energy Solution

HySEIS™ Energy Solution consists of Hytera's new-generation battery optimizing system MCA26 and smart battery management software MDM SE.

Battery Optimizing Systems

USB Cable

USB Hub (Optional)*

Smart Battery Management Software

*When the USB ports on a PC are insufficient, prepare USB hubs by self

More Convenient

- Monitor battery charging progress
- Detect and display battery status intelligently
- Identify battery error and give an alarm
- Export reports on battery data

More Reliable

- Detect, determine, and alert the battery aging
- Extend smart battery life by over 50% compared to ordinary lithium batteries

More Efficient

- Support more than six battery optimizing systems connected to one PC
- Manage more than 48 batteries at a time
- Charge batteries safely at over 50% faster speed

Battery Optimizing System

Charge. Diagnose. Recondition.

Hytera MCA26 is the new-generation battery optimizing system developed by Hytera Energy Efficient Lab*. It represents a huge leap forward in battery health diagnosis, battery-aging assessment and alarm, battery life extension, and fast and safe charging. Adopting intelligent diagnosis and analysis as well as multi-tiered battery safety mechanisms, the MCA26 enhances battery reliability, empowering you to work with greater safety and efficiency.

*Hytera professional technical laboratory

Basic Features

Make Key Information in View
The MCA26 comes with a 2.8-inch semi-transparent display and an intuitive interface, so that you can easily get and understand the battery information at a glance.

Refuel Your Battery Faster
The MCA26 supports 2 A fast charging, boosting the charging speed by more than 50%. Less time waiting, more time doing.

Manage Batteries in Batches
The MCA26 helps you manage up to eight batteries at the same time, improving work efficiency by 33%.

Revitalize Old Batteries
The MCA26 has the capability to recondition the over-discharged battery to restore its maximum capacity and have it be charged normally. Never worry. The MCA26 gets you all of it.

Advanced Features

Be a Good Battery Doctor
The MCA26 can diagnose the battery health status completely, helping you timely identify and resolve emerging issues.

Remind You of the Unexpected
The MCA26 can detect the abnormal battery such as end of service life and give you alarms. Based on this, you can make a quick and right decision on battery disposal.

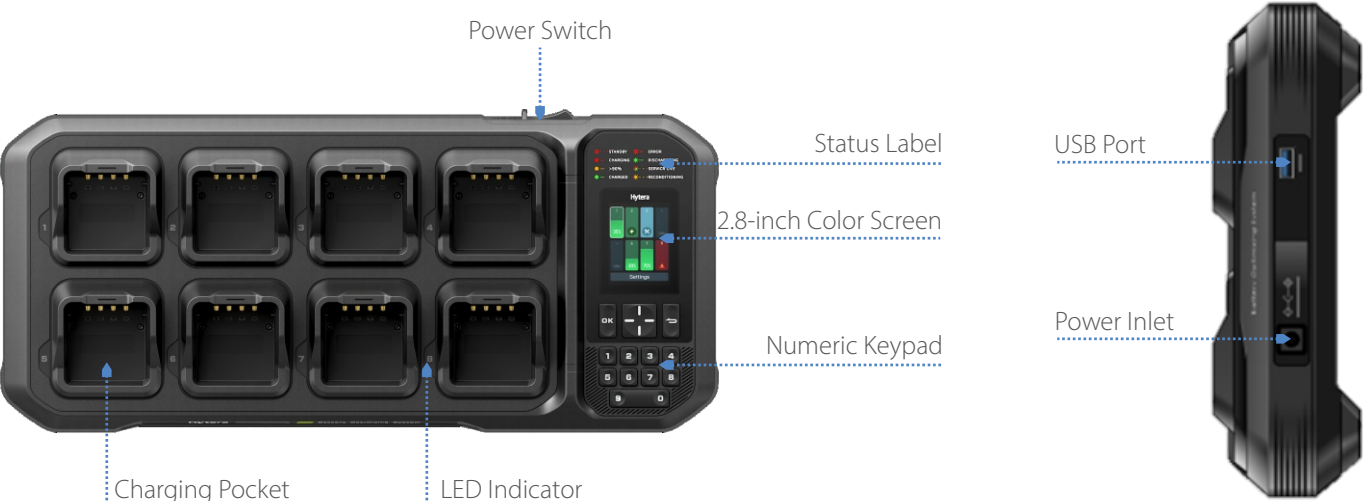**Optimize the Storage Capacity**
The MCA26 allows you to set the optimal storage capacity for batteries. Even on the shelf for over 12 months, your batteries are still in good working conditions without performance degradation.

Manage Battery Data
The MCA26 can work together with the smart battery software MDM SE to give you a full picture of the battery details through the exported Excel or online.

Product Layout and Specifications

Power Switch

Status Label

USB Port

2.8-inch Color Screen

Power Inlet

Numeric Keypad

Charging Pocket

LED Indicator

Specifications	
Model	MCA26
Weight	1.96 kg
Dimensions (H x W x D)	224.5 mm x 508 mm x 84 mm
Number of Charging Pockets	8
Display	2.8-inch high-resolution color screen
Operating Temperature	0℃ to 45℃
Storage Temperature	−20℃ to 60℃
Power Adapter	Model: PS15002 Input voltage: 100–240 V Output voltage/current: 12 V/15 A
Certificate	CE

Compatible Radios & Batteries

Battery Model	Description	Compatible Radios							Smart Battery
		HP7	HP6	HP5	AP58/BP5	PT590	PT580H Plus	PT580H Plus UL913	
BP2403	2400 mAh Li-poly Battery	●							✕
BP3003	3000 mAh Smart Li-poly Battery	●							√
BP2002	2000 mAh Li-poly Battery		●						✕
BP3002	3000 mAh Smart Li-poly Battery		●						√
BL1508	1500 mAh Li-ion Battery			●					✕
BP3005	3000 mAh Li-poly Battery			●					✕
BL1507	1500 mAh Li-ion Battery				●				✕
BL2204	2200 mAh Li-ion Battery				●				✕
BP2003	2000 mAh Smart Li-poly Battery					●			√
BL1806	1800 mAh Li-ion Battery						●		✕
BL2505	2500 mAh Li-ion Battery						●		✕
BL2412-EX	2400 mAh Intrinsically Safe Li-ion Battery (UL913)							●	✕

Smart Battery Management Software

Connect. Analyze. Control.

Hytera MDM SE is the software that gives you the fastest and most comprehensive way to manage smart batteries in batches. With an intuitive user interface, you can know everything about the battery such as status, performance, age, and more. These operational data deliver actionable insights that help you get the most from each battery.
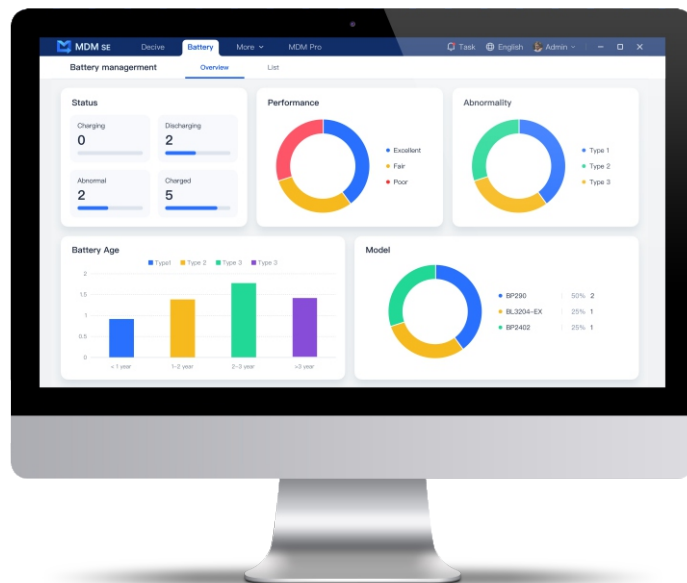
Streamline Battery Data Collection

The MDM SE allows you to acquire the battery data quickly just by a short step – connecting the MCA26 to the PC through the USB port. One PC supports more than six MCA26 simultaneously, improving the speed and accuracy of your data collection.

Show Battery Data Online

The MDM SE empowers you to learn about battery performance more conveniently than ever before. Through high-level visual summaries, charts, and graphs, you can know battery status, model, age, and abnormalities at a glimpse. These usage data provide valuable insight into whether the battery works properly or the low-capacity battery is replaced in time, ensuring mobile user productivity.

Export Data to Excel

The MDM SE allows you to export the smart battery data to Microsoft Excel, which is easier for data statistics and analysis. Thus, you can manage your battery more efficiently.

Prerequisites on HySEIS™ Energy Solution

- Download MDM SE Software
- Purchase the Battery Management License of MDE SE
- Purchase MCA26 Battery Optimizing System
- (Optional) Prepare USB Hubs by Self

Hytera

Respond & Achieve