

Intelligent Portable Field Charger for **SAFE CHARGING**

Lithium-ion Batteries !

THINK SAFETY!

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Recommended for:

- COMMAND POSTS
- LOGISTICS RE-SUPPLY BASE
- FIELD MAINTENANCE BASE

DESCRIPTIONS

The **SCALABILITY** MS-PFC2281 is an intelligent portable field battery charger built for Soldier Modernization programmes. It is designed for portability, ease of use, ruggedness, scalability, fast charging, auto battery fault recovery and rejection for safe charging of high energy Lithium-ion batteries. Packed in a light weight 19" Mil-Std transit case, the **SCALABILITY** MS-PFC2281 can be used inside mobile Command Posts, Logistics and Maintenance Bases or operate on a field desk powered by a main line generator.

In addition, the **SCALABILITY** MS-PFC2281 is capable to Auto-Revive, Recover, Wake-up any "Good State" Smart Batteries and also Auto-Reject unsafe batteries which reached its end of life-cycle. It truly enhances safety and mitigates risk of charging Lithium-ion batteries in un-monitored charger which inevitably causes fire, explosion and bodily harm to end-users. The **SCALABILITY** MS-PFC2281 is essential to ensure **SAFE CHARGING** of Lithium-ion Batteries is allowed by the End-Users.



About MILWORKS

MILWORKS is a Singapore based company that design, manufacture and supply products and solutions focusing on Energy & Battery, Mil-Std Connectivity and High Reliability Sub-systems. Serving defence, aerospace, public safety, telecom, automotive, Government, tertiary and research institutions, MilWorks products and solutions adds to the successfully operations of our Customers around. The company has the technical know-how, experienced to provide focus, innovative customized solutions to our customers through thorough understanding of operational requirement, quality expectation, flexibility, value-offer and cutting edge technical expertise.

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PRODUCT SPECIFICATION

FEATURES

- ✧ An Open Architecture Design with compliant to Smart Battery System (SBS) Charger Architecture
- ✧ Fast & Storage Charging of up-to 20-packs of MS-RB series Smart Batteries
- ✧ 1600W Continuous Charge Power Rating for Simultaneous Fast Charging
- ✧ Auto-Revival of Smart Batteries in Shutdown and Sleep Mode
- ✧ Auto-Detection of Faulty Batteries for Safe Charging in Confined Space
- ✧ Auto-Rejection of Faulty Batteries
- ✧ Protection against Over-Current, Over-Voltage and Over-Temperature
- ✧ Supports input power rails from 90VAC – 264VAC for Worldwide Deployments
- ✧ Full Charge-Mode CC/CV Charge Option for Quick Charging
- ✧ Storage Mode CC/CV Charge Option for Planned Long Term Storage for Optimal battery life span
- ✧ Real-time Fuel Gauge and Fault LED indications
- ✧ 19" IEC 60297 Mil-Standard Light Weight Transit Case, 9.0RU Internal Height
- ✧ Capability upgrade for TCP/IP network expansion, for mass Battery Management Control
- ✧ Designed to meet UL & IEC 60950 standard for safe use Independent



MILWORKS offers unrestricted customization for all field energy requirement. Do not hesitate to contact us.

Authorized Distributor:

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