

MILITARY CHARGER UNIT

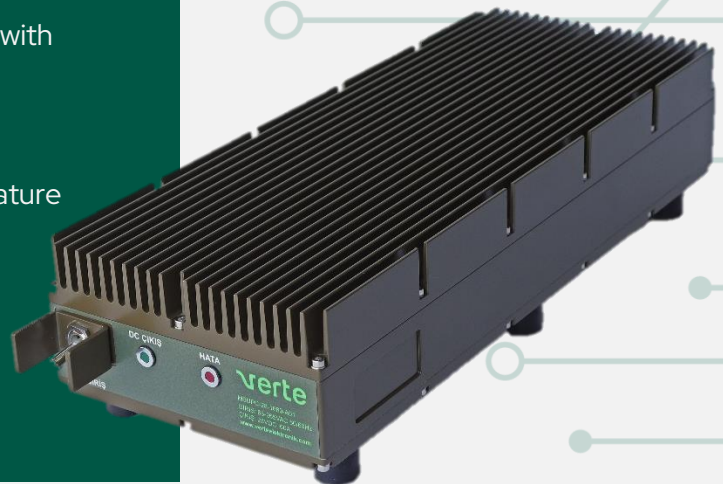
MSUPC-MPH-28-1680-B01

The "MSUPC-MPH-28-1680-B01" is a 1680 W military battery charger with input voltage of 90-264 VAC, 47-63 Hz and charging voltage of 12-45 VDC in accordance with the harshest environmental conditions and superior performance targets.

- AC Input: Single or three phase, 90-264 VAC, 47-63 Hz
- Charging Voltage: 12-36VDC, fixed value in accordance with user selection
- Power: 1680 W

Maximum Current: 60A

- Operating temperature: -40 °C to 55 °C with full power
- Multiple unit parallelization
- Over-Current, Short Circuit, Over-Temperature protections



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Built to meet stringent military standards, this battery charger guarantees reliable power delivery under extreme conditions. It operates efficiently across a wide input voltage range of 90-264V AC, accommodating various power grids with ease. Its high efficiency, approaching 90%, ensures minimal energy loss, translating into prolonged operational life. The converter's robust design includes comprehensive protection mechanisms against over-voltage, over-current, over-temperature, and short-circuits, safeguarding both the device and connected equipment.



Designed to withstand the rigors of military and industrial use, this battery charger performs flawlessly in diverse climatic conditions. It resists up to 90% non-condensing humidity, ensuring stable operation in humid environments. Designed also for both three-phase and single-phase operation, ensuring maximum flexibility across various power infrastructures. Additionally, the unit features a parallelization capability through the CANBUS interface, allowing seamless operation of up to 6 units in parallel. This scalable architecture enables increased power output and enhanced redundancy for mission-critical applications. With a single-unit power capacity of 1680W, the system can be expanded to deliver a total power of 10 kW when fully paralleled. For enhanced diagnostics and configuration, the converter integrates RS485 and CANBUS interfaces, providing real-time monitoring and precise control. This ensures optimal performance and adaptability across various operational demands.

