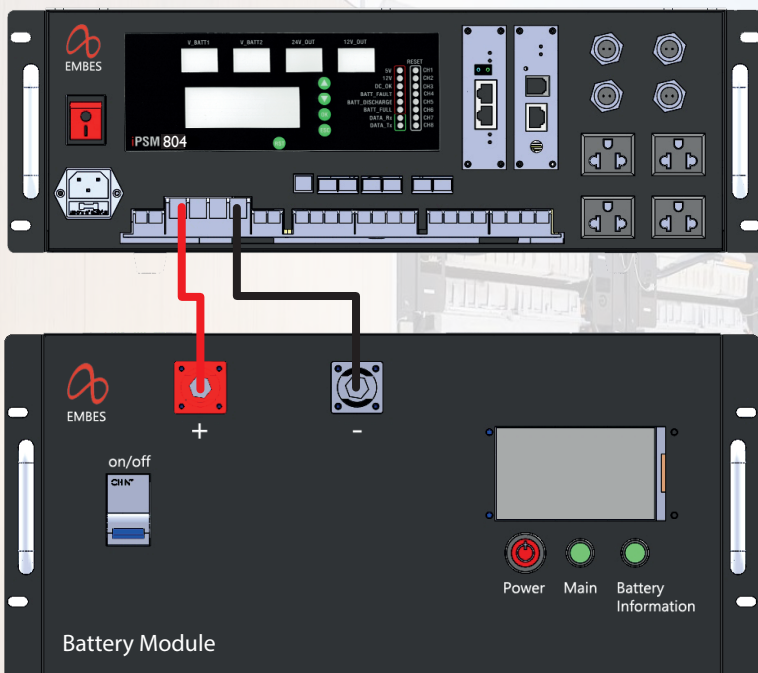# iPSM 804

iPSM804 is an state of the art Intelligence Power Supply Management that separate power module and battery module for easy operate. iPSM804 is a battery that stores energy, detects outages and automatically becomes your energy source when the grid goes down. Unlike generators, iPSM804 keeps your energy on without upkeep, fuel or noise. Pair with solar and recharge with sunlight to keep your appliances running for days.

iPSM804 an achieve other abilities and qualities according to regular standard for high performance equipments. The hardware based has designed on embedded system rules that use low power consumption and industrial design so that can be used in the extreme environment including the software design that concern data security certified by nationwide standard while still maintaining its flexibility during performance.

iPSM 804

Hardware Feature and Technical Data

- CPU 32-bit MIPs Processor
- 1 x LAN Port
- 1 x RS485 Port
- 1 x RS232 Port
- 1 x USB Port
- 1 x LCD Display
- 4 x LED Voltage Display
- Power Input
  - 1 x AC220V 10A AC Charger
  - 1 x DC 24V Battery
  - 1 x DC 36V-175V 10A Solar Charger
- Power Output
  - 2 x AC220V Bypass
  - 2 x AC220V Backup
  - 2 x DC48V
  - 5 x DC24V
  - 5 x DC12V
  - 1 x Passive PoE 48V
- Battery Module
  - DC26V 200Ah 5200W
  - LiFePO4 Battery Type
  - 6000 Life Cycle
  - 100A Breaker & Fuse
  - LED Display
    - Show Power Input (AC/DC/Solar)
    - Show Power Output (12/24/48VDC)
    - Show Power Output (AC Backup)
    - Show Power Output (AC Bypass)
    - Battery Management and Protection
    - Show Battery Input & Output
    - Show Battery Voltage & SOC
    - Show Battery Group Voltage
    - Battery Balance
    - Low Voltage Protection
    - High Voltage Protection
    - Cell Difference Protection
    - Over Chage Protection
    - Over Discharge Protection
    - Low Voltage Shutdown
    - Auto Recovery Restart

- Software Control
  - System Real Time Report to Control Center
  - Relay Control Power Output On/Off
- 4G LTE Wireless WAN Cellular Module (Optional)
  - LTE FDD 800/850/900/1800/2100/2600 MHz
  - LTE TDD 2300/2500/2600 MHz
  - FDD DL up to 150 Mbps, UL up to 50 Mbps
  - TDD DL up to 130 Mbps, UP up to 35 Mbps
- Realtime Clock
- Hardware and Software Watchdog
- Protocol Support
  - DHCP
  - IP V4/V6 dual stack
  - NAT Static and Dynamic
  - Port Forwarding Protocol UPnP and NAT-PMP
  - Dynamic Routing : VPN pass-through, RIPv2, OSPF BGP and Multicast
  - Tunnel : IPSec with IKEv1/v2, IPIP, PPTP, OpenVPN GRE (10 Tunnel Included), GRE Keepalive, L2TP Compression
  - IPSec : AES and 3DES
  - Cryptology : SHA-256, SHA-1, MD5
  - Firewall : IP allow/deny/drop, Port Selection
- Operation Temperature -10 C to 70 C
- Storage Temperature -40 C to 85 C
- Ambient Relative Humidity 5 to 95% (non-condensing)
- Dimension (WDH)
  - Power Module 482 x 463 x 156 mm
  - Battery Module 482 x 487 x 220 mm
- Weight
  - Power Module   12 kg.
  - Battery Module 25 kg.