Battery Storage System

**Features**
- 12V building blocks easily configurable to 154V battery branch for larger systems, minimizing lead time & qual.
- Configurable to > 450V systems with Power Block (CP4566)
- Built-in thermal management.
- Optional external pluggable 2.5A Active Balancing Module for cells in a module.
- Real time monitoring of cell Voltages, module/branch currents, cell temperatures.
- Individual battery branch control for extended availability.
- Stable & reliable name-brand battery cells from fully automatic production lines.

**Application**
SPI Configurable Standard Battery Packs are specially developed for diverse Energy Storage applications, such as Domestic Backup Power System, UPS, grid storage (Photovoltaic, Wind and Power Station), Communication station, LED lighting, LEVs, and other industrial drivers.

Back-up Power System

**Features**
- Dual input - AV & PV with single input option
- High efficiency (>90% for both charger & inverter)
- Very quiet operation (no fan)
- Light weight and luggage style portability for easy transportation
- Hot-pluggable add-on battery and easy to expand energies (patent pending)
- In-house battery management techniques (patent pending)
- Master system control switch and individual output control switches
- Capacity indicating lights
- Stable & reliable name-brand battery cells from fully automatic production lines
- Long life (2000 full discharge cycles)

**Application**
- Domestic power sources (home & office uses)
- Portable power sources (lighting, camping, outdoor uses)
- Emergency backup power (medical, factory, natural disaster uses)
Uninterruptible Power Supply (UPS)

- **Standby UPS for personal uses**
  - 400VA/600VA/800VA standby UPS
  - Compact size with stand and mounting flexibility
  - Simulated sine wave
  - Cold start function
  - Full protection: Discharge, overcharge, short circuit, thermal protection
  - Auto restart while AC is recovering

- **Line interactive UPS for small business**
  - 400VA/600VA/800VA line interactive UPS
  - Compact size
  - Simulated sine wave
  - Cold start function
  - Boost and buck AVR for voltage stabilization
  - Off-mode charging
  - Auto restart while AC is recovering
  - Generator compatible

- **Line interactive UPS for corporation servers**
  - 800VA~3KVA line interactive UPS
  - User-friendly and easy-shift LCD display
  - Rack/Tower design
  - Programmable power management outlets
  - ECO operation for energy saving
  - EPO
  - Built-in boost and buck AVR
  - Output power factor 0.8
  - Hot-swappable battery design

- **Online UPS for large data center**
  - 1KVA/1.5KVA/2KVA/3KVA/5KVA/6KVA true double-conversion online UPS
  - Output power factor 0.9
  - User-friendly and easy-shift LCD display
  - Programmable power management outlets
  - 50/60 Hz frequency converter mode
  - ECO and advanced ECO mode for energy saving
  - EPO
  - Hot-swappable battery design for 1-3K models
  - DSP technology applied for 6K and up models
  - Active input power factor correction 0.99 for 6K and up models

*Photos are for reference purpose only. All contents are subject to change without prior notice.*
LCD Power Supply

**LCD Monitor PSU - Inverter**
- Customized specification
- Full range input
- Small and reliable design
- Support 16", 18", 19", 22", 24" LCD monitors and up
- Built-in short circuit, over voltage, and over current protection
- High efficiency

**LCD Monitor PSU - LIPS**
- Integrated inverter
- Full range input
- Multiple output option available
- Support 16", 18", 19", 22", 24" LCD monitors and up
- Built-in short circuit, over voltage, and over current protection
- High efficiency

**LCD TV PSU - Power**
- Customized specification
- Small and reliable design
- Full range input
- Support up to 4 outputs
- Power up to 60" LCD TV
- Built-in short circuit, over voltage, and over current protection
- High efficiency

**LCD TV PSU - Super LIPS**
- Integrated inverter
- Full range input
- Support up to 4 outputs
- Power up to 60" LCD TV
- Optional slim design
- Built-in short circuit, over voltage, and over current protection
- High efficiency

**LED-BL LCD PSU**
- Customized designed for LED backlit LCD displays
- Full range input
- Support up to 4 outputs
- Ultra slim design
- Built-in short circuit, over voltage, and over current protection
- High efficiency & Low power consumption
Photovoltaics (PV) - Under Development

**Solar Charge Controller**
- Intelligent Maximum Power Point Tracking technology
- Microprocessor controlled
- Automatic battery voltage detection
- Three-stage charging optimizes battery performance
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protection of solar panel and battery
- Short circuit and overload protection
- Optional IP 43 protection for outdoor and harsh environment
- Optional RS-232/RJ45 ports for remote monitoring

**On-Grid PV Inverter**
- 3KW/4KW/5KW on-grid PV inverter
- Advanced DSP control technology delivers accurate data
- Two smart independent MPPTs to enhance overall efficiency
- Up to 96% high conversion efficiency
- Modulized design for easy maintenance
- Industrial-grade components used for robust operation
- Data log up to 15 years
- IP 65 protection for outdoor and harsh environment
- 5-year product warranty
- Optional monitoring software

**Hybrid PV Inverter**
- 3KW hybrid inverter
- Pure sine wave output
- Microprocessor controlled to guarantee stable charging system
- Multiple operations: Grid tie, Off grid, and grid-tie with backup
- Built-in MPPT solar charger
- LCD display panel for comprehensive information
- Multiple communication
- Green substitution for generators
- User-adjustable charging current up to 25A

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