

# GSPMBSMBus

## Power Management Module



### Feature

- Battery charging management & power path management.
- Fully compliant with Smart Battery Specification.
- Adaptive adjustment of charging voltage and charging current
- seamlessly switch between the adapter and battery power supply.
- Comprehensive security protection functions.
- Easy to design in, Ready to use without development.

### Application

Suitable for portable electronic equipment, industry and medical field.

### Electrical performance

DC input voltage	9V~24V (The output voltage of the external adapter should be greater than the battery voltage by more than 1V)
DC input current	5A MAX
DC input power	120W MAX
Battery voltage	5V~16.8V (Suitable for 2S~4S smart batteries)
Battery charging current	0-3A
Load voltage	Equal to DC input voltage if external DC power supply is present. Equal to battery voltage if no external DC power supply is present.
Load current	0-5A
Standby current	DC power supply on: < 15mA (DC power) DC power supply off: < 35uA (Battery)

### Environmental Condition

Charge Temperature	0°C~50°C
Discharge temperature	-20°C~60°C

### Dimensions

Length	60.0mm
Width	50.0mm
Thickness	15.0mm MAX

### Interface

Input: VH3.96-2P
Output: VH3.96-2P
Communication: PH2.0-6P
Battery: 90° mating connector

