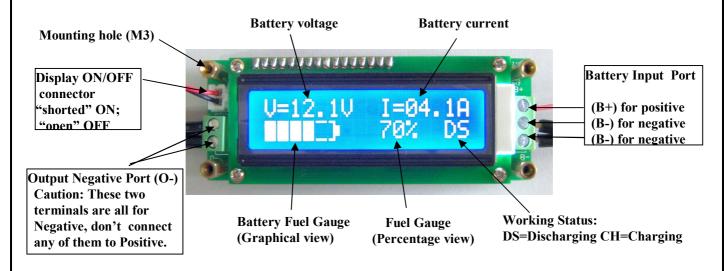
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SPECIFI	CATION	PREPARE	CHECK	APPROVE						
MODEL:	USED IN:									
ISSUE DATE :	21/11/2012 2.32 PM									
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	HBG2-F48-28 48V (16S) LiFePo4 Battery Fuel Gauge								
No.	Item	Unit	Specification	Remark					
Specifi	Specification								
01	Rating Input Voltage	V	DC40~65V						
02	Suitable battery type		48V 16s LiFePo4						
03	Max. Charge/Discharge Current permitted. & typical series impedance.	A	Max. Discharge current: 28A Max. Charge current: 18A Series Impedance: 5m Ω						
04	Rating Consumed current	mA	30	(Including 25mA LCD Back light)					
05	OFF Status leakage current	mA	0	OFF switch					
06	Voltage display tolerance	%	+-2.5%						
07	Fuel gauge display tolerance	%	+- 20%						
08	Current display tolerance	%	+-5% * I	+-0.3A when I<=5.0A					

Top View and Illustration



## Installation

- 1. Make sure the battery you wired is 48V LiFePo4 battery.
- 2. First, connect the TWO "B-" terminals with your battery negative pole, because the maximum current is 28A, so you should use #18AWG wires or #16AWG. For the wire length, the shorter the better.

  Connect "B+" terminal with battery positive pole. This cable only carry 40mA current, so #22AWG wire is enough.
- 3. Second, connect your Load Device:

Connect Battery Positive pole with your Load Device Positive directly, #18AGW or better. Connect this meter's (O-) terminals with your Load Device Negative, #18AWG or better.

## Caution:

- 1. The two terminals "O-" on the left side are all for negative, don't connect any of them with Positive pole, this will cause firing or smoking!
- 2. Please read this manual and understand attached schematic drawing before connect any wire!

## Schematic drawing:

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COMMON/UNITE	DOC. NO:		REV.: 1.0	PAGE: 2 OF 2					

