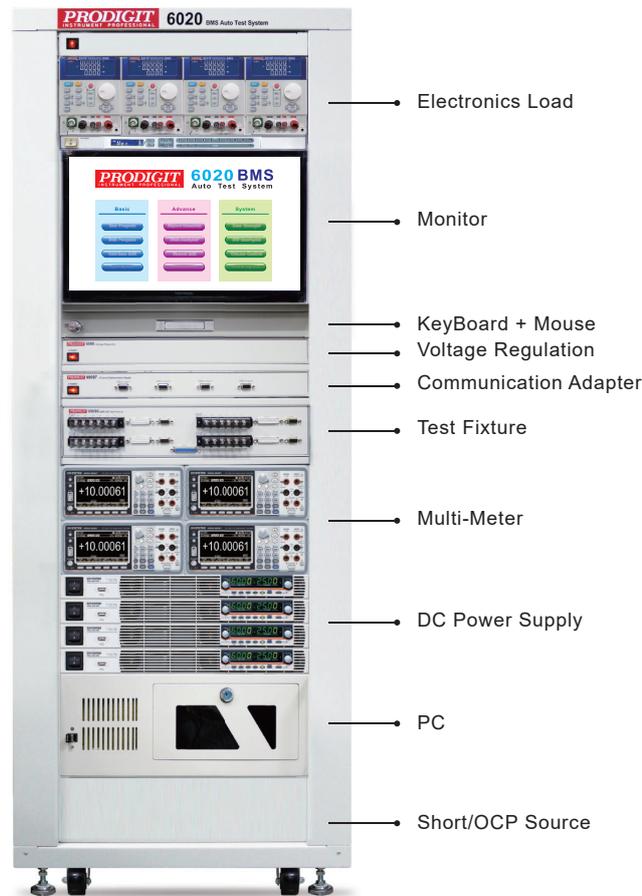


# 6020 BMS Test System



## Features

- Cost effective and full - featured modular design
- Multi - function test capability for charger , adapter , LED driver power
- Multi-U.U.T test simultaneously capability, significantly enhance the production line throughput
- Support Windows 7 operation system
- Open architecture software platform
  - Support related hardware expansion
  - User editable test item
  - User editable test program
  - User editable report format & statistical report
  - On-line control function
  - User authority control
  - Support Bar Code Reader

## Descriptions

- System Authority Assignment : User Authority Management, which allows different users to assign different permissions
- High Extensibility : for multi-string battery cell, 4 cells per channel, expandable from 1 to 16 cells per strings
- High compatibility : for a wide range of charge and discharge specifications, and with multi-level current protection test
- Battery simulation device modular design : Use one string 16 cells or four string 4 cells battery, simulation device can simulate 0.1 ~ 5V analog battery cell voltage, you can test the core specifications of the PCM product, such as: PCM OC sleep power self-consumption, each string CELL of the charge and discharge protection and balance function.
- Testing Item includes the BMS DC internal resistance, AC internal resistance, working current consumption, battery cell balance, NTC simulation, various over or under voltage, over current, short circuit protection/recovery actions, etc., using 6020 BMS ATE can provide 1 to 4 groups of BMS test high-performance automatic test system, for each BMS function one by one and fast validation, which in the design verification or quality inspection is suitable for a group of BMS test system, however in the mass production required for rapid testing that needs for four groups of simultaneous testing BMS test system.

## System Controller

MODEL : PC			
CPU	i5-3470(3.2GHz) or faster	Monitor	22"
SRAM	256KB	Keyboard	101 keys
DRAM	4GB or higher	I/O	Mouse / Print port
Hard driver	500GB or higher	System interface	RS-232
CD-ROM	40X or faster	System I/O	1:8 RS-232 Card

## Voltage Regulator

MODEL : 5080	
No. of Channel/Cell	4 x 4
Voltage range	0 ~ 5V
Accuracy	±0.2% of (Setting + Range)
Resolution	0.001V
Max Current	12mA ( AC Input 90V )
Slew rate	0.166V/us
Interface	RS-232

## Electronic Load Module

MODEL : 3310F Series / 3332F, 3336F	
Mainframe	3300F
Load Mode	CC / CR / CV / CP
Power rating	40-300W
Voltage range	0~500V
Current range	up to 60A ( 120A pulse : 3311F-15)
Slew rate	up to 2.5A/μS
Measurements	Power / Voltage / Current
Monitoring output	Current
Voltage Sense input	Yes

## DC Power Supply

MODEL	PSU 60-25	PSU 150-10	MODEL	PSU 60-25	PSU 150-10
<b>Output</b>			<b>Measurements</b>		
<b>Power Rating</b>	1500W	1500W	<b>DCV meter</b>	60V	150V
<b>Voltage range</b>	60V / 0.4~120V	150V	Resolution	2mV	5.2mV
Accuracy	30mV / 25mA	75mV / 10mA	Accuracy	60mV	150mV
Resolution	2mV / 0.8mA	5.2mV / 0.34mA	<b>DCA meter</b>	25A	10A
<b>Load Regulation</b>	8mV / 10mA	17mV / 7mA	Resolution	0.8mA	0.34mA
<b>Line Regulation</b>	8mV / 4.5mA	17mV / 3mA	Accuracy	50mA	20mA
<b>Current rans</b>	25A	10A	<b>Interface</b>	USB, RS-232	USB, RS-232
Accuracy	25mA	10mA			
Resolution	0.8mA	0.34mA			
<b>Protection</b>	OVP, OCP, OHP	OVP, OCP, OHP			

## BMS Board Test Fixture

MODEL : 99096			
<b>No. of Test Channel</b>	1 ~ 4	Discharge ( P+ 、 P- )	20V/30A
<b>Terminal of Input</b>		Charge ( CH+ 、 CH- )	20V/30A
Source ( PS+ 、 PS- )	DC 20V/30A	<b>Control I/O</b>	Signal Output
MULTIMETER (M+ 、 M- 、 I+)	DCV 、 DCI 、 R	<b>STATE</b>	Pass/Fail/Test LED & Stop Key
DC Load+ 、 Load-	20V/30A	<b>NTC Emulator</b>	
DC Load Sense+ 、 Sense-	Signal Input	NTC Resistor	10KΩ
5080 (VB0,VB1,VB2,VB3,VB4)	DCV	Resistor Range	10 ~ 500KΩ
<b>Terminal of Output</b>		Beta Range	2000K ~ 5000KΩ
BAT ( B+ 、 B- )	20V/30A	Temperature Range	-40 ~ 120℃

## Order Information

- ▶ **6020** : 6020 BMS Test System
- ▶ **3300F** : Electronic Load Mainframe
- ▶ **OCP/Short DC Source** ( 5V/120A )
- ▶ **PSU 60-25 / PSU 150-10** : DC Power Supply
- ▶ **5080** : Voltage regulator  
(applied to BMS board battery simulation)
- ▶ Multi-function digital meter
- ▶ **DC Electronic Load** : 3311F-15 ( 60V/60A/300W,120A pulse )
- ▶ **DC Electronic Load** : 3310F Series / 3332F / 3336F
- ▶ **99096** : BMS Board Test Fixture
- ▶ **99097** : Communication converter
- ▶ **6020** System software
- ▶ **6020 System 19" ( 20U ) Standard Rack**
- ▶ **6020 System 19" ( 30U ) Standard Rack**
- ▶ **Personal Computer**