

## High-Speed DC Load Solves Point-of-Load Converter Test Challenges

Intepro Systems announces the EL 2000 HS (high-speed) electronic DC load as the latest addition to its growing family of power system automatic test equipment (ATE). The EL 2000 HS Series is a stand-alone 40W load module providing point-of-load (POL) connections and point-of-use (POU) for fast slew rate DC loading. Ever-higher switching speeds and lower operating voltages present unique challenges in testing POL/POU power conversion systems. In response, the EL 2000 HS load offers a smart on-board load head that minimizes inductance, resistive losses and noise, which pose serious problems with loads using wires to connect the load to the device-under-test (DUT). In addition, the EL 2000 HS is designed for sub-1V testing to meet the demands of low-voltage devices.

The EL 2000 HS's standalone modular POU design, along with its smart on-board load head, allows for positioning the load to DUT without the need for customization. The standard load offers four programmable modes of operation: constant current, constant resistance, constant power and constant voltage. All have a 50MHz measurement bandwidth with a 150MS/s, 14-bit digitizer. Measurements include voltage, current, power, noise,



settling time and overshoot/undershoot for both V and I. The standard 20V/20A/40W module can sink 20A with only 0.3V applied to the load head. In constant-current mode the module achieves 40A/μs rise time with a 20A load for high-speed pulse loading when conducting real load simulation of high-bandwidth devices. Ethernet control allows for easy operation by utilizing either Intepro's PowerStar software package or third-party software.

[www.inteproATE.com](http://www.inteproATE.com)

## DC/DC Converter B05xxLD-1WR2 & B05xxLS-1WR2 Series Specialized for BMS

BMS system generally adopts LTC680X chip to monitor each lithium battery block. Based on it, MORNSUN developed a new 50VDC and 60VDC DC/DC converter B05xxLD-1WR2 and B05xxLS-1WR2 series specialized for BMS. They aim to reduce energy consumption of lithium battery pack and extend the battery mileage.



The series offer stable 50VDC or 60VDC output ensuring the accuracy of monitored chip, meet requirements of EMI CISPR25 CLASS 3 standard and electrostatic discharge of ISO 10605±8KV and have high reliability.

Features:

- Meet requirements of EMI CISPR25 CLASS 3 standard
- Operating temperature: -40°C to +85°C
- Efficiency up to 79%
- High power density
- Isolation: 1500VDC
- International standard pin-out

[www.mornsun-power.com](http://www.mornsun-power.com)

## 200-1500VDC Input DC/DC Converter Designed for 1500V PV Power System



### ► PV15/40-29Bxx Series

- Isolation: 4000VAC
- Operating temperature: -40°C to +70°C
- High reliability even in harsh environment
- Multiple protections
- UL1741/GSA C22.2 NO.107.1/EN62109 approval
- PCB/Chassis/Din-Rail mounting

### Ideal for

PV solar combiner  
PV solar inverter  
High voltage switching

### Product Lines



1-240W  
AC/DC Converter



0.25-150W  
DC/DC Converter



IGBT Driver



EMC Auxiliary Device

\* For the detailed information, please refer to datasheet.

# MORNSUN®

Mornsun America, LLC  
E-mail: [sales@mornsunamerica.com](mailto:sales@mornsunamerica.com)  
Website: [www.mornsunamerica.com](http://www.mornsunamerica.com)