PV2700: Unlocking the Multi-Channel Testing Potential of IT2700 for an Efficient and Intelligent Testing Experience

In the modern battery testing field, accuracy, efficiency, and system integration capabilities are the key factors that customers care about most. The ITECH IT2700 electronic load series has gained market recognition not only for its compact size and high performance but also for its revolutionary upgrade to battery testing through the free PV2700 upper computer software!

Powerful Testing Capabilities with Seamless Multi-Channel Synchronization

PV2700 fully unleashes the potential of the IT2700 series, enabling effortless synchronization of hundreds of test channels—as long as the computer's performance allows. Whether for large-scale battery pack testing or multi-channel device validation, PV2700 ensures precise data synchronization, significantly enhancing testing efficiency.

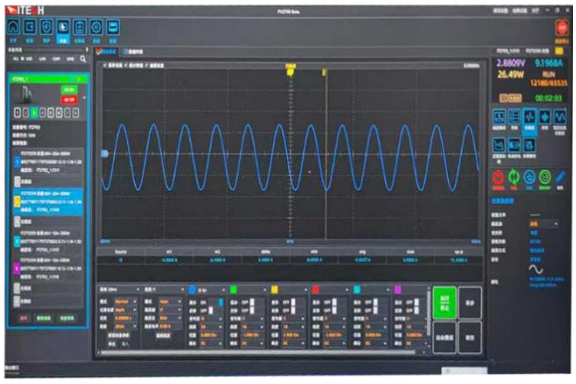
Comprehensive Testing Functions to Meet Diverse Needs

PV2700 not only offers basic power load control but also provides a range of powerful features, allowing engineers to conduct tests with greater flexibility:

- **List Sequence Testing** – Easily create complex test sequences with varying current and voltage.
- **Battery Cycling Test** – Supports charge and discharge cycles for battery lifespan evaluation.
- **Battery Simulation** – Accurately replicates battery characteristics, ideal for BMS testing and validation.

• **Arbitrary Waveform Output** – Freely configure waveforms to meet a wide range of application needs.

A customer successfully utilized the arbitrary waveform function of the IT2700 to conduct a 100Hz sine wave test on 18650 cylindrical batteries. This capability makes test scenarios that are challenging for traditional DC power supplies easily achievable, providing significant convenience for R&D engineers.



Say Goodbye to Expensive Add-Ons and Reduce Testing Costs

High-speed sampling instruments are rare in practical applications, and they often require additional oscilloscope modules and data acquisition cards to achieve 200kHz oscilloscope sampling and 50kHz long-term data recording. However, PV2700 delivers the same high-performance oscilloscope functionality and data acquisition capabilities without the need for extra accessories. This helps customers save a significant amount on procurement costs while making testing more efficient and cost-effective.

Compact Design, the First Choice for System Integration

The IT2700 series stands out with its compact design, making it the smallest in its class and significantly reducing space requirements in laboratory and system integration environments. This advantage is highly favored by customers in automated testing and large-scale system integration, making it an ideal testing tool for the battery and energy industries.

PV2700: Empowering the IT2700 to Do More

The IT2700 series electronic loads have already gained widespread recognition in the industry for their high precision, versatile functionality, and compact portability. With the addition of the free PV2700 upper computer software, its full potential is unlocked. From multi-channel synchronized testing to high-frequency oscilloscope sampling, from battery simulation to arbitrary waveform output, PV2700 provides engineers with an unprecedented testing experience—enhancing efficiency while significantly reducing costs.

🚀 **Ready to experience the power of PV2700?** Contact our official support team today and start your journey toward smarter, more efficient testing!

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For more information, pls. visit www.itechate.com or send email to info@itechate.com .

We are always here for you.