



## 聯合再生能源新聞稿

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台北市，台灣

### 聯合再生能源推出多樣化可再生能源儲能產品

URE 聯合再生能源有鑑於綠色能源的使用最佳化，開始致力於建構儲存能源的完整方案，提供小從家用儲能系統，大至太陽能、風力發電廠使用的大型儲能櫃、廠端使用的不斷電系統等系統方案，有效解決各種電能與電網應用問題。

儲能系統結合高效鋰鐵電池、BMS(電池管理系統)、集成系統技術(電芯、BMS、主控制、恆溫熱處理)、電網系統後台管理等系統應用，符合 UL、IEC、UN 等各項安規認證，提供完整可靠的整合方案。

URE 聯合再生能源推出工業型、家用型與中小型儲能產品，因應不同類型客戶需求提供所需的解決方案。工業型儲能產品皆經過國際認證認可，預計於 2019 年年底，通過 UL 認證 UL9540/UL1973/UL1998/UL991/UL1741，並符合美國國家電工法規 (National Electrical Code, NEC) NEC 2017 Article 706 Energy storage systems 之要求。

工業型儲能兼具電網調壓調頻功能，改善附載端變化造成的突波影響，可優化整體電網品質。工業型儲能亦可針對廠端契約容量做整廠規劃，協助減少工廠用電超約的問題。亦結合可風力、太陽能發電，調節發電平滑輸出，減少對電網的衝擊。中小型可於白天儲存太陽能系統所產生的電能，提供工廠或家庭夜間供電。或於非尖峰用電時段儲電，供尖峰用電時段使用，或於高價時段回饋致電網，實現電力最優分配。攜帶型儲能系統，具備體積小與輕便之優勢，用於戶外活動用電、救難、電力不便場所等使用。輕便機動的好處，可協助解決臨時所需電源，或作為備用電源使用。

URE 聯合再生能源的成立，擺脫太陽能產業過去純代工廠的角色，積極涉足新事業，朝儲能、氫能機車等應用佈局發展，轉型成為綠能產業企業，完整提供再生能源全方面應用與解決方案，樹立綠色能源產業典範，為環境責任、生活環保、全球暖化盡最大力量。

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## URE News Release

Taipei, 15 May 2019

### **United Renewable Energy Announce New ESS Product**

United Renewable Energy (“URE”, or “the Company”, 3576 TT) dedicated great efforts in innovate energy storage solution for all situation, in order to optimize the use of green renewable energy. We provide different kinds of energy storage products from residential energy storage system, industrial energy storage system for solar power plant and wind power plant, to UPS (uninterruptible power systems) for plant-side use which effectively solves various power and grid application problems.

Energy storage system combines high-efficiency lithium-iron battery, BMS (battery management system), System Integration (cell, BMS, EMS, thermal control system), grid interface management system and applications in line with UL, IEC, UN, and other safety regulations and certification providing a complete and reliable integration solution.

URE industrial, residential and portable energy storage products provide the solutions for different types of scenarios. URE industrial energy storage was awarded many international certifications, and we also expected to obtain UL certification (UL9540/ UL1973/ UL1998/ UL991/ UL1741) by end of 2019, and comply with the National Electrical Code NEC 2017 Article 706 Energy storage systems Requirements.

The major functions of the industrial energy storage system include voltage regulation, frequency modulation, power surge protection, load shifting, and peak shaving to improve the overall power grid quality. Industrial energy storage can also be used for plant-wide contract capacity planning to avoid fines of excessive electricity consumption in the factory. It also combines wind and solar power generation to smooth the output of power generation and reduce the impact on the power grid.

Residential and portable ESS store the electricity generated by solar power during the day, providing the power at night. It also can store electricity during non-peak power consumption period, and use the power at peak power consumption period or provide power to the power grid during high price period to achieve optimal power distribution. The portable energy storage system is compact and lightweight, and it can be used for outdoor activities and rescue tools when the power is unavailable, and it can help solve urgent power needs or be used as a backup power source.

URE break away from the old OEM role Taiwan solar manufacturer used to play and transforms into a green energy industry enterprise by involved in new businesses. We have stepped into the developments of energy storage system and hydrogen motorcycle to provide complete application and solutions for renewable energy. URE would like to be a model for green energy industry and do its utmost for preservation and protection of the environment and lower the speed of global warming.

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