

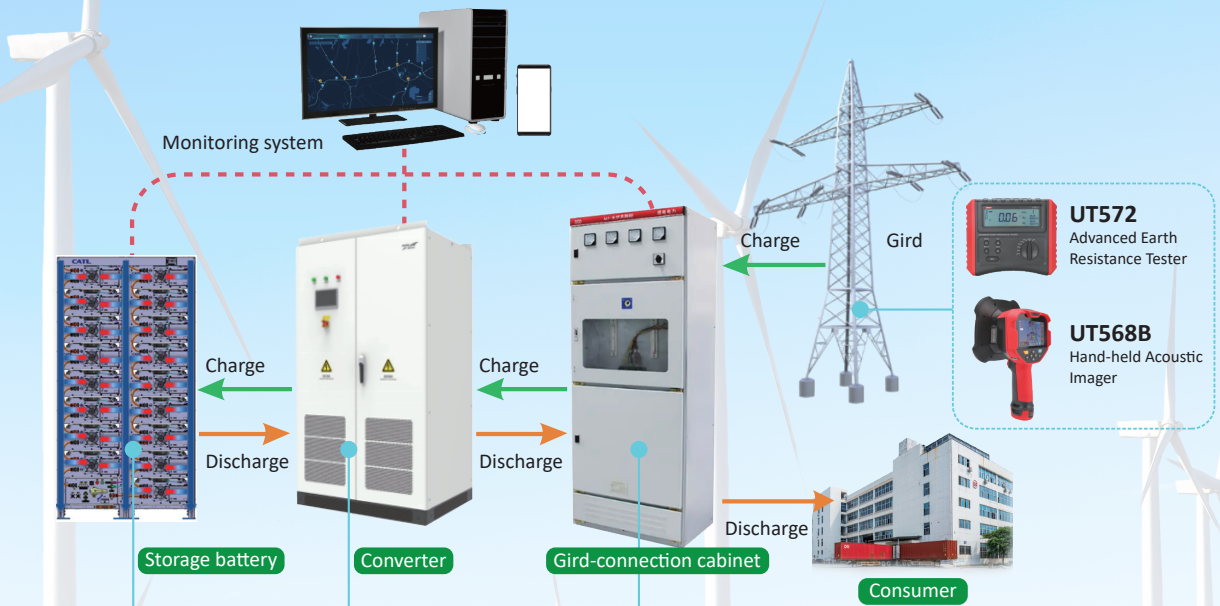
# ENERGY STORAGE SOLUTIONS



Renewable energy, especially solar power generation, has seen significant growth. By the end of 2022, the newly added installed capacity was approximately 239GW, accounting for about 66% of the entire energy industry's expansion. With this trend, the rise and application of energy storage have become inevitable. To meet the needs of this booming market, UNI-T has provided a comprehensive set of testing and measurement tools for energy storage systems. These tools ensure that the installation and maintenance of energy storage systems are carried out quickly, safely, and effectively.



# Solutions for Operation and Maintenance of Engery Storage Power Station



**UT572**  
Advanced Earth Resistance Tester

**UT568B**  
Hand-held Acoustic Imager

**UT3550**  
Handheld Battery Internal Tester

**UTi740H**  
Professional Thermal Imager

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Professional Thermal Imager

**UT253A**  
Leakage Current Detector

**UT278D**  
Grounding Resistance Tester

**UT285C**  
Power Quality Analyzer

**UT208B**  
Clamp Meter

**UT513A**  
Insulation Resistance Tester

← Charge      → Discharge      - - - - - Communication

Electrical Measurement Tools				Insulation and Power Quality			Temperature	Hand-held Acoustic imager	Battery Tester
UT208B	UT278D	UT253A	UT572	UT513A	UT516B	UT285C	UTi740H	UT568B	UT3550
1000A AC/DC Clamp Meter	Earth Resistance Clamp Meter	Clamp Leaker	Advanced Earth Resistance Tester	Professional Insulation Tester	12KV Insulation Resistance Tester	Power Quality Analyzer	Thermal Imager	Hand-held Acoustic Imager	Battery Tester



## UT208B 1000A AC/DC Clamp Meter

### Scenarios and Features:

1. Suited for energy storage and electrical maintenance
2. True RMS measurement
3. Inrush current measurement
4. LPF ACV & LoZ ACV measurement



## UT278D Ground Pile Clamp Earth Resistance Tester

### Scenarios & Features:

1. Suited for energy storage and commercial grounding systems
2. 3/4-wires measurement
3. PC software analysis



## UT253A Clamp Leaker

### Scenarios and Features:

1. Suited for energy storage and commercial power systems
2. Large current measurement with high precision
3. Large jaw size suits for various scenarios



## UT572 Advanced Earth Resistance Tester

### Scenarios & Features:

1. Suited for energy storage and Industrial power systems
2. Earth resistance and soil resistivity measurement
3. 2/3/4-wire test
4. Compensating resistance RK test





## UT513A Professional Insulation Tester

### Scenarios and Features:

1. Suited for energy storage and Industrial power systems
2. Wide insulation range with up to 5KV output voltage
3. PI and DAR measurement
4. Comparison measurement



## UT516B Insulation Resistance Tester

### Scenarios and Features:

1. Suited for high-voltage power systems & energy storage
2. 12KV high output voltage and 10TΩ IR measurement
3. PI & DAR measurement

## UT285C Three Phase Power Quality Analyzer

### Scenarios and Features:

1. Suited for energy storage and electrical power systems
2. High power energy measurement: 9999.9KW
3. PC software analysis



## UT3550 Battery Tester

### Scenarios and Features:

1. Suited for energy storage and electric vehicle systems
2. Live test for the resistance and voltage measurement
3. High precision: 0.001mΩ and 0.1mV
4. Support SCPI protocol (for remote control)



## UT568B Hand-held Acoustic Imager

### Scenarios and Features:

1. Suited for energy storage system and electrical power system
2. 138 Helically arranged high-sensitivity digital MEMS microphones
2. Using scenarios: Partial discharge detection, leakage detection
3. Long working distance: 0.3m~150m



## UTi740H Thermal Imager

### Scenarios and Features:

1. Suited for electrical power systems & solar systems
2. Wider temp. measurement: -30°C ~ 650°C
3. High-performance detector with 640x480 resolution
3. High-quality infrared images: 4.3" IPS LCD & 384x288 pixels detector
4. Connect the "Thermal Link" app via the Wi-Fi connection



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