



Low charge and high discharge
 charge and discharge synchronization
 Accurate and efficient

T48N05

NiMH battery module comprehensive intelligent analysis and repair system

Widely used in Toyota hybrid battery modules, Lexus hybrid battery modules, battery module assembly testing and other battery pack balance maintenance.



Full-stack synchronous intelligent control

One-stop closed loop for charging/discharging/balancing/aging/internal resistance

Intelligent capacity division system

One-stop closed loop for charging/discharging/balancing/aging/internal resistance

Multi-channel parallel discharge

Single-unit output current can reach 240A+30× channel number industrial-grade discharge capability

Real-time voltage/current tracking

Accurately capture the unique charging and discharging characteristic curve of NiMH batteries

Precision balancing

Capacity measurement

Internal resistance balance

Battery Discharge

Application



Toyota Hybrid Battery Pack



Lexus Ls500h Hybrid battery module



Lexus CT200h Hybrid battery module

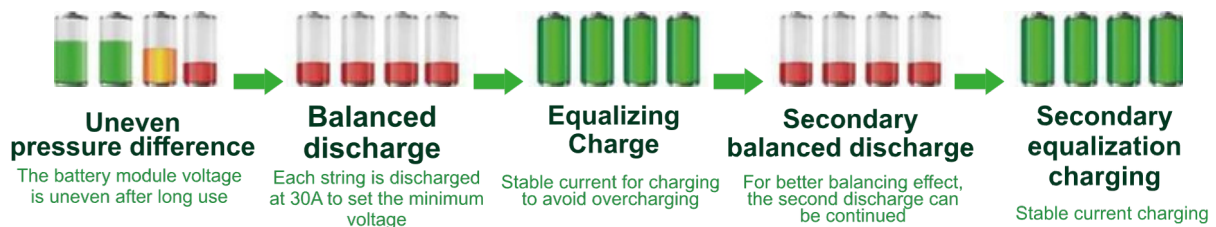


Lexus Rx450h Hybrid battery module

Features

- Each channel has an independent system and processor to detect voltage, current, internal resistance and capacity independently.
- Single channel charging and discharging integrated, maximum voltage 5V (9V), maximum current 30A (5A);
- Independent channel design, battery module/battery pack/single cell performance testing;
- The product has a self-detection function, which can send out an alarm in time before a failure occurs, thus avoiding potential safety risks;
- The internal components are reasonably arranged, and the heat dissipation cooling system can effectively avoid the impact of high temperature environment on electronic components;
- The balancing current is adjustable, with a single channel range of 2~30A, which can be used to accurately balance battery packs of different capacities;
- Real-time data status display, curve recording, key data storage table, easy to record query;
- It simulates balanced testing in various usage environments and has a series of protection functions such as reverse connection protection, wrong connection alarm prompt, etc.

Balance Principle



Product Parameters

Model	T12N05	T24N05	T36N05	T48N05
Applicable battery string number	1S-12S	1S-24S	1S-36S	1S-48S
Supply voltage	AC 220V			
Input Power	≤6KW			
Applicable battery type	NiMH battery module			
Maximum discharge current (single channel)	30A			
Maximum discharge current (parallel)	30A×N (number of parallel channels)			
Maximum charging current	5A			
Charge and discharge cycle times	999 times			
Minimum balanced pressure difference	0.001V			
Capacity test function	9999Ah			
Single cell capacity channel	12 channels	24 channels	36 channels	48 channels
Internal resistance test function	0.001~50mΩ			
Balanced mode	Charge balance, discharge balance			
Curve Recording	4/8/16/32 hours			
Safe and reliable	Software protection, hardware protection, master-slave board mutual monitoring			
Product size	450×420×470mm			
Net Weight	55kg	65kg	75kg	85kg