



Nichicon Develops the World's Smallest and Lightest Quick Chargers

NICHICON CORPORATION

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Preface

Nichicon Corporation announces the latest in its lineup of alternative energy products with the introduction of the world's smallest and lightest quick chargers for electric vehicle charging.

Nichicon has developed advanced technology which utilizes standardization of the main components in order to achieve 50% space and 66% weight savings compared to the existing model while still meeting the CHAdeMO standards.

Background

As global interest in, and requirements for, environmentally friendly products continue to increase; many countries are trying to proactively realize a low-carbon society. In the global automotive industry, development and mass production of electric vehicles continues at a rapid pace. As EV popularity increases it is vital for quick charging systems to be incorporated into a standard infrastructure. Nichicon has aggressively worked to develop quick chargers and related technologies that correspond to the world's requirements.

In addition to quick chargers, Nichicon has been supplying on board chargers (OBC with DC/DC converter) to Mitsubishi EV (i-MiEV) in addition to supplying the Nissan EV(LEAF) last year. Nichicon has and will continue to contribute to popularizing EV's by developing OBC's and quick charging systems for the infrastructure.

The most remarkable point of our newly developed quick charger is that it occupies one half the mounting spaces and is 66% lighter than the current model thereby benefiting the customer by dramatically decreasing installation effort. Utilizing our advanced module technology developed for OBC's, Nichicon can contribute to the development of the "EV charging infrastructure" by offering this compact yet highly reliable device.

Features

- Compact design (small and light) enabling installation in narrow spaces
- High reliability and efficiency
- Easy maintenance due to modular construction
- User friendly, utilizing large LCD screen instructions

Main Specifications

Output voltage	: DC 50 V to 500 V (rapid recharging, CHAdeMO)
Output capacity	: 20kW (NQC-A202) 30kW (NQC-A302)
External dimensions	: 350 mm (W) x 595mm (D) x 1565 mm (H)
Weight	: 150kg (NQC-A202) 170kg (NQC-A302)
Production Plant	: Nichicon (Kusatsu) corporation 3-1, Yagura 2-chome, Kusatsu-shi, Shiga Prefecture (ISO9001 and ISO14001 certified)

Profile of Nichicon CORPORATION

Location	: Karasumadori Oike-agaru, Nakagyo-ku, Kyoto
Representative	: Ippei Takeda, Chairman & CEO
Date established	: August 1, 1950
Capital stock	: 14,286 million yen (As of March 31, 2011)
Employees	: 8,219 (As of March 31, 2011, Consolidated)
Lines of business	: Production and sales of various kinds of capacitors for electronics, electric apparatuses and power utilities, function modules, positive thermistors, switching power supplies, capacitor-applied systems and equipment, etc.
Net sales	: 105,914 million yen (As of March 31, 2011, Consolidated)

