

Option Service: Charge-Discharge

- Conform RoHS

Features

- Suited to high frequency Charge-Discharge for AC servomotor, general inverter.
- To our regular series, we add Charge-Discharge function. The size / performance is as it is.



Charge-Discharge option available series

Type of series	FXA	FX2	FXR	HXA	GXA	GX2	GXR
Temperature range	-40°C~85°C				-40°C~105°C		
Warranty life	5,000h	5,000h	5,000h	20,000h	5,000h	5,000h	5,000h
Reference page	P.50	P.48	P.33	P.61	P.59	P.57	P.37

Product Specifications

Items	Specifications
Rated voltage	400, 450V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.01CV (μA) or 5 mA, whichever is smaller or less (20°C, after 5 minutes) [C=nominal capacitance (μF), V= rated voltage (V)]
Dissipation factor	Less than the value specified in the standard products table (20°C, 120Hz)
Permissible ripple current	Please refer to the Reference page of Charge-Discharge available series.
Endurance of high temperature load behavior	After an application of specified ripple current on top of rated voltage for Warranty life at the maximum operating temperature, following requirements must be met. Capacitance change : Within ±15% of initial value Dissipation factor : Not more than 175% of initial value specified Leakage current : Not more than initial value specified
Endurance of charge-discharge behavior	After an application of charge-discharge voltage for 20 million times (charge-discharge (ΔV) =150V, cycle 3 or 2 Hz (*1)) at 40°C, following requirements must be met. Capacitance tolerance : ±15% or less of the initial value Dissipation factor : 175% or less of specified initial value Leakage current : Specified initial value or less
Others	JIS C 5101-4.

*1 Charge-Discharge frequency:

The highest Charge-Discharge frequency is 2Hz as for the products of 10,000 μF, all other products are 3Hz.

- Product code
To figure this option, add "DH" at the end of the product name.
Please refer to the Reference page of Charge-Discharge option available series.
- Standard Products Table
Please refer to the Reference page of Charge-Discharge option available series.
- Ripple current correction coefficient
Please refer to the Reference page of Charge-Discharge option available series.