

# How to use the “Power Management Solutions 2022”

Our new brochure is not only a guide for selecting our products, but also for power supply configurations and circuit ingenuity for your designs. Please refer to the brief view and use below.



To know the product range and find products

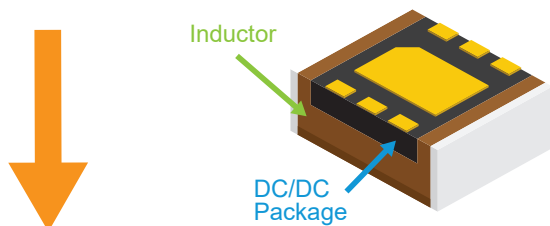
## ● Overview of the TOREX product range?

e.g. What products does TOREX have?  
Product range of inductor built-in DC/DC?

## ● What are the new products?

## ● Which IC meets my requirements?

e.g. Ultra-low Iq step-up DC/DCs for batteries?  
Charger ICs for small Li-polymer for wearables?  
Voltage detectors for monitoring 24V rails for industrial equipment?



## Product Selection Guide P.2-27

### ● New and featured products P. 2-3

- ✓ Pick up new products and highlighted products with special features.

### ● TOREX product range Introduction P. 4-11

- ✓ Guide of the TOREX product range
- ✓ Simplified product maps to easily find suitable ICs  
DC/DC, Inductor Built-in DC/DC, Voltage Regulator (LDO), Voltage Detector, WDT, Load SW, Push button IC, Charger IC, Automotive ICs

### ● Selection maps / Tables of main products P.12-27

- ✓ To find further various ICs
  - Detailed map and table of products & key specs
  - Discrete products suitable for power supplies as well

For further information

Product Brochure or Visit Our Website



To find suitable power supply configurations and circuits based on your input source and overall requirements

## ● Power supply configurations and ICs to match the input sources?

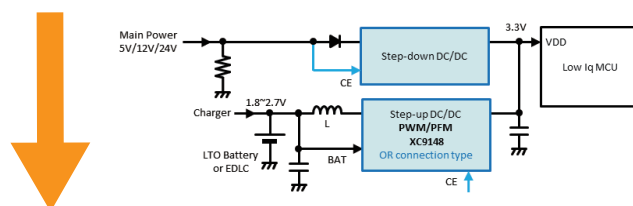
e.g. Dry cell, Li primary, Li-ion battery, 12V/24V input

## ● Circuit ingenuity and ICs for low consumption?

e.g. Circuit ingenuity to extend battery life?  
Circuits to keep IoT sensors operating for long periods of time powered by Li primary batteries?

## ● Circuits and ICs for special uses?

e.g. Switchover circuits to/from backup batteries?  
Circuits suitable for energy harvesting?



## Solution Guide P.28-39

### ● Optimum power supply configurations and ICs for each power source

- Primary batteries : Dry cell, Li prima P. 28
- Li-ion / Polymer batteries P. 29
- DC inputs : 5V/12V/24V P. 32,34

### ● Technical guide

Introduces ingenuity and ICs in the Technical Guide for each power supply configuration.

- Ingenuity and ICs for ultra-low consumption P. 30-31
- Ideal diode IC P. 31
- Inductor built-in DC/DC P. 33

### ● Introduces circuits and ICs for special uses

- Backup / OR connection circuits P. 35-36
- Low profile solutions P. 37
- LTO battery charging and uses P. 38-39
- Suitable circuits for energy harvesting P. 39

By following the orange ovals and arrows, you can easily select the optimum power supply configuration and ingenuity, as well as ICs that utilize TOREX's small size and low consumption technologies.

Our web also constantly expands our product selection, solutions and design support such as useful DC/DC simulation.