

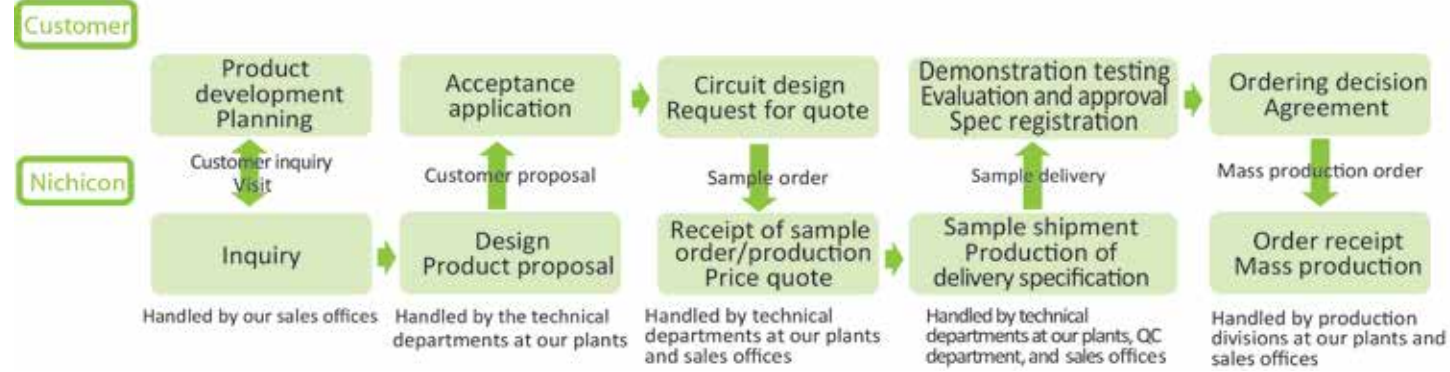
## Production By Country

	Snap-in terminal type aluminum electrolytic capacitors	Screw terminal type aluminum electrolytic capacitors	Radial leaded type electrolytic capacitors	Surface mount type electrolytic capacitors	Electric double layer capacitors	Conductive polymer aluminum solid electrolytic capacitors	Film capacitors
Japan	●	●	●	●	●	●	●
China	●	●	●	●		●	
Malaysia	●		●				

Note: Please confirm when ordering because manufacturing locations or part availability may change.

## Standard Process for Custom Product Development

We offer products optimized to meet our customers' application, size and other design needs.



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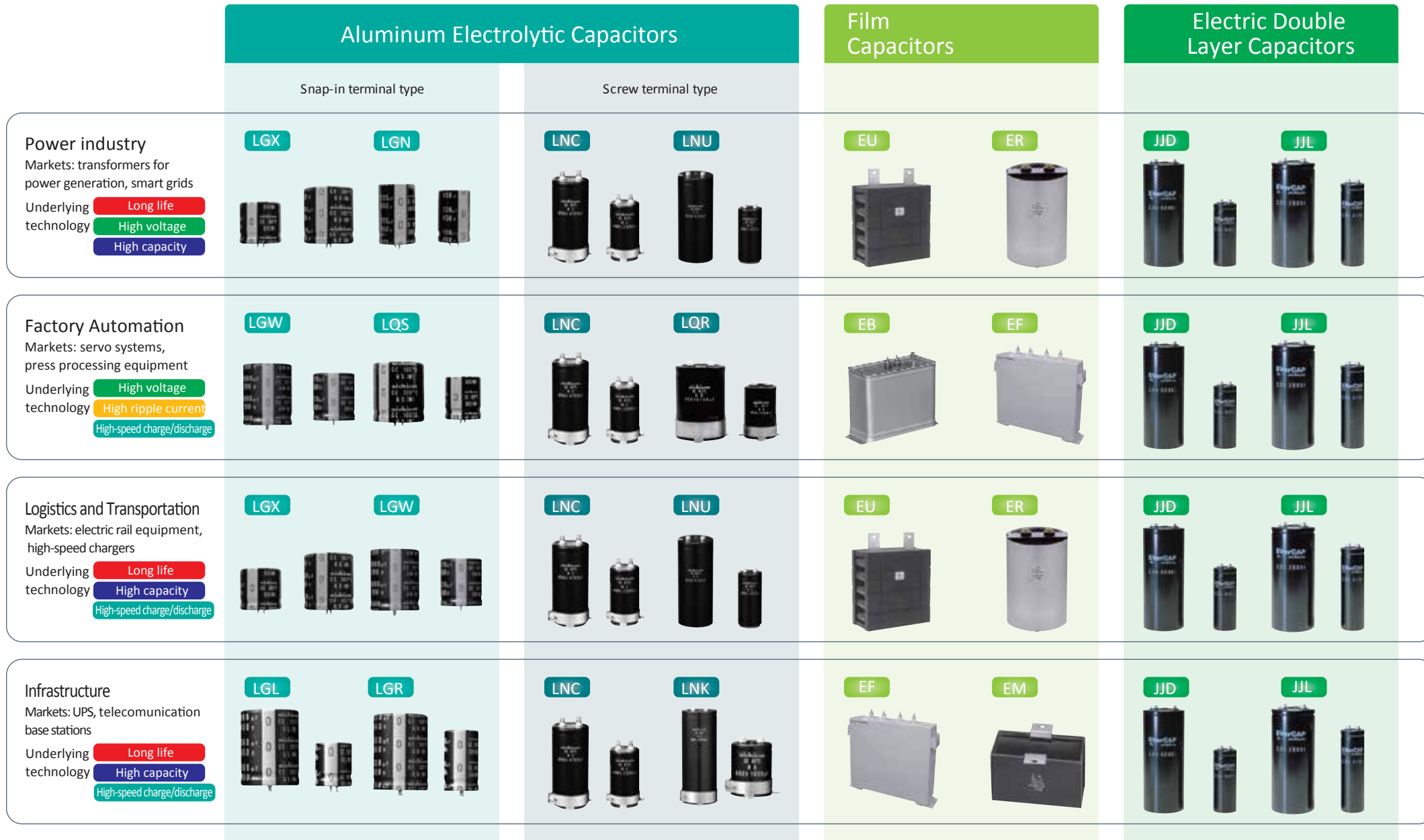
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# Power Electronics Applications

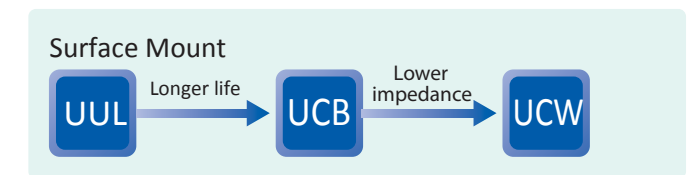
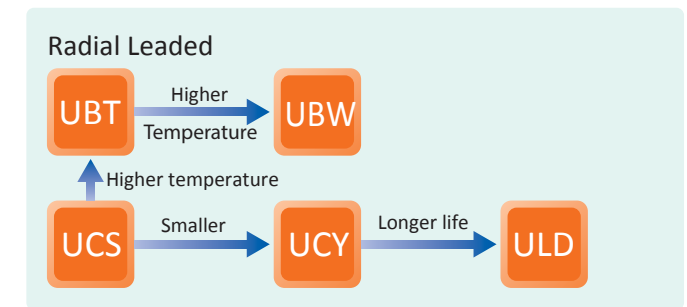
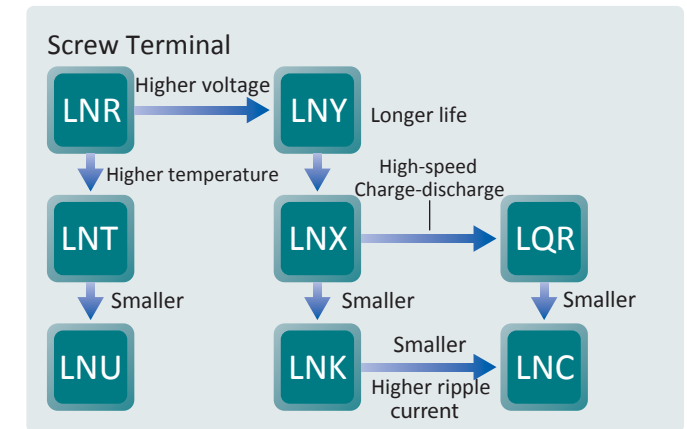
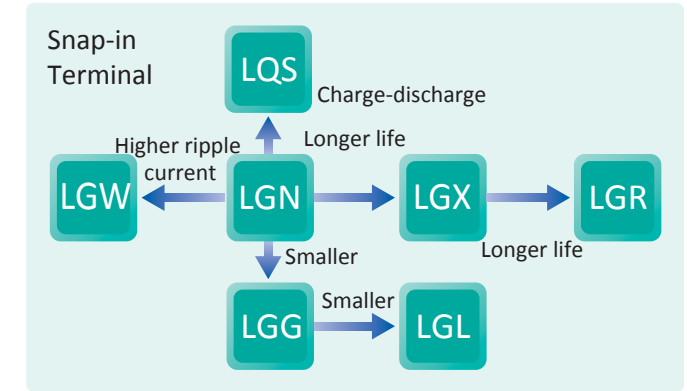


# Recommended Series for Use in Power Electronics

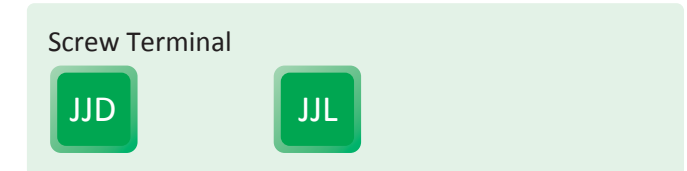


# Power Electronics Capacitor Series Diagram

## Aluminum Electrolytic Capacitors



## Electric Double Layer Capacitors



## Optimizing Your Capacitor Choices

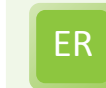
Product Types	Dry film capacitors	Comparison	Aluminum electrolytic capacitors
Performance categories			
High voltage	Customizable	>	- 630V (NX Series)
Maximum allowable working temperature	105°C	—	105°C
Capacitance range	Narrow	<	Wide
Capacity unit price	High	<	Inexpensive
Capacity tolerance	±3% to ±10%	>	±10% to ±20%
Loss temperature/frequency response characteristics	Low rate of variability	>	High rate of variability
Ripple current durability	Large	>	Small
Liquid Electrolyte	Not used	—	Used
Shape	Flexible	—	Basic shape is circular
Polarity	Non-polar	—	Generally polarized

## Film Capacitors

### Resin-molded Case



### Cylindrical Case



### Rectangular Metal Case

