

Aluminum Electrolytic Capacitor Application

SAMWHA ELECTRIC

- 1. 5G**
- 2. Automotive**
- 3. Transportation**
- 4. Household Appliance**
- 5. Solar Power Inverter**
- 6. Power Electronics**

Recommended Series for Applications

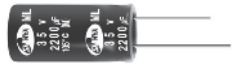
1. 5G

New & Upgrade Series

- For Ultra-high Temperature, Long life, and Low Impedance

PJ 135°C, 3000h Ultra High Temp. 	MT 105°C, 12000h Low Temp. -40°C Assurance 	MH 105°C, 12000h Low Imp. Long Life 	MG 105°C, 20000h Ultra Long Life 
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ML 105°C, 10000h Ultra Low Imp. Long Life 	QY 105°C, 13000h Long Life 	YM 125°C 4000h SMD Type Hybrid Capacitor 	YB 105°C, 10000h Lead Type Hybrid Capacitor 
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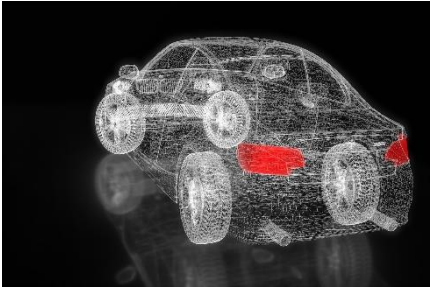
Recommended Series for Applications

2. Automotive

New & Upgrade Series

- For Powertrain(Engine control, Transmission control, DC/DC-converter)

UR  125°C 5000h High Temp, Low ESR	UN  125°C 2000h Extremely Low ESR	VQ 150°C, 1000h Ultra High Temp. 	YT  150°C 1000h Hybrid Capacitor
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- For Safety (Camera & radar systems, Breaking, Airbag, ABS)

CG  105°C 2000h Extremely Low Impedance	MG 105°C, 20000h Ultra Long Life 	VP 135°C, 3000h Ultra High Temp. 	YC  105°C 10000h Hybrid Capacitor
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- For Exterior (LED headlight)

UR  125°C 5000h High Temp, Low ESR	JL  105°C 10000h Long Life	YH  125°C 4000h SMD Type Hybrid Capacitor	YL 125°C, 4000h Lead Type Hybrid Capacitor 
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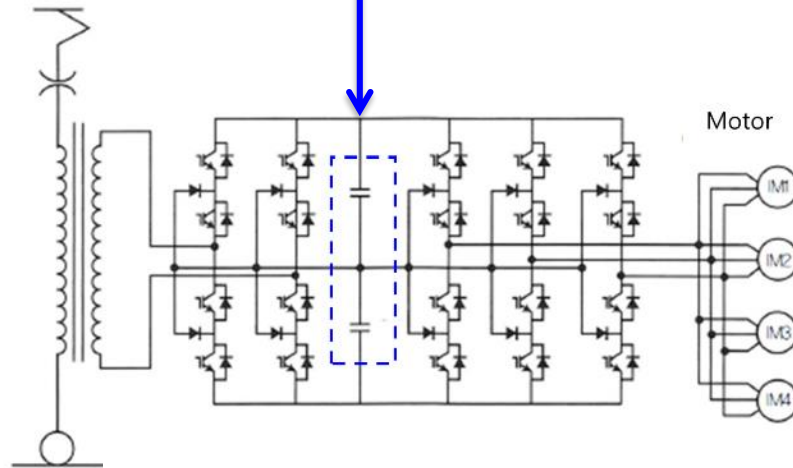


Recommended Series for Applications

3. Transportation

- For Large Capacitance and High Ripple Current in Stud type

EV	GL	GR
		
105°C 5000h For Inverter, Long Life	85°C 20000h For Inverter, Long Life	85°C 5000h For Inverter, High Ripple



Recommended Series for Applications

4. Household Appliance

New & Upgrade Series

- For High Ripple Current, Miniaturization and Long Life

For Air conditioner Inverter

AL

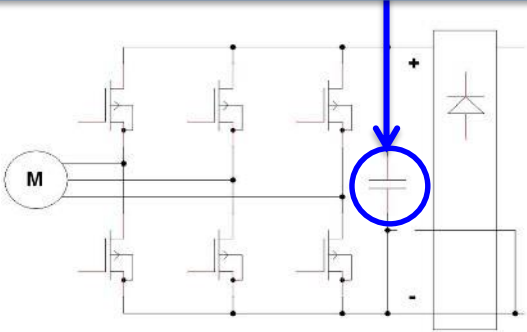
85°C
5000h
High Ripple

AQ

85°C
7000h
High Ripple, Long Life

AJ

105°C
5000h
For Inverter, High Ripple



For Household

RH

105°C
5000h
High Ripple

JF

105°C
5000h
High Ripple

JY

105°C
10000h
Long Life

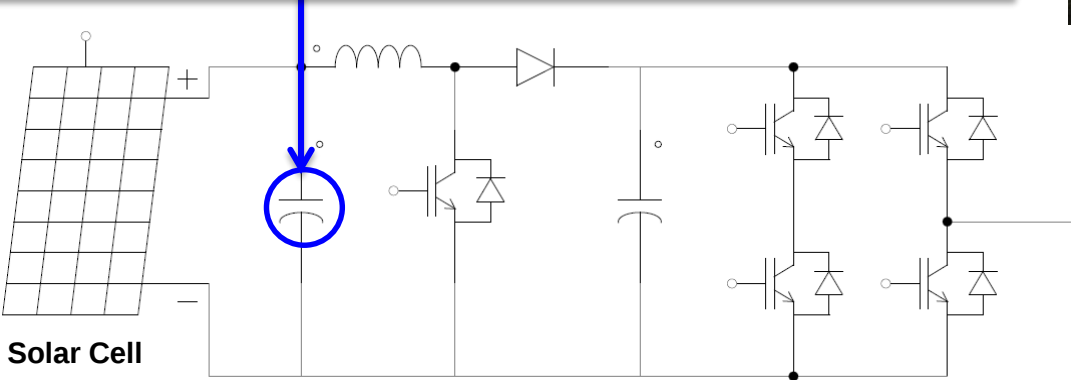
Recommended Series for Applications

5. Solar Power Inverter

- For High Voltage, Large Capacitance and High Ripple Current

New & Upgrade Series

HY  105°C 7000h 500Vdc, Long Life	HL  105°C 5000h 500Vdc, Long Life	GL  85°C 20000h For Inverter, Long Life	GR  85°C 5000h For Inverter, High Ripple
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Recommended Series for Applications

6. Power Electronics

New & Upgrade Series

- For Large Capacitance, High Ripple Current and Long Life

GY  85°C 2000h For Inverter	GL  85°C 20000h For Inverter, Long Life	GR  85°C 5000h For Inverter, High Ripple	KG  105°C 3000h High Ripple, Wide Temp	JY  105°C 10000h Long Life
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- For Power industry , Plant business, Infrastructure business segment

DB  65°C 1500h Snap-in Type	DK  80°C 1500h Snap-in Type	DH  65°C 1500h Weldable, Threaded Type	DM  65°C 1500h Module type
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Samwha's Main Customers

IT

SAMSUNG	 LG	 Hansol	 DONG YANG E&P energy & power solution	 Powernet Display & Mobile Devices <i>Xpert</i>
 Carrier	 DAEWOO	 navien	Electrolux	RUTRONIK
ASUS	 SAGEM	Skyworth	 arçelik	PEGATRON

Automotive

 GM	HYUNDAI MOBIS	DELPHI	OMRON	 KB AutoTech
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Industrial

 woojin PLAIMM	 HYUNDAI ELEVATOR CO., LTD.	SIEMENS	 ADVANCED WAVE	Continental 
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Others(medical, LED)

SAMSUNG MEDISON	DRGEM DRGEM Corporation	 KUMHO ELECTRIC	 DASS Tech	 ENERCON ENERGIE FÜR DIE WELT
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