

# SUOER<sup>®</sup>

## CAR AUDIO AMPLIFIER

2021

FOSHAN SUOER ELECTRONIC INDUSTRY CO.,LTD



001-D-111



CTA-GZ01-1371



Alibaba



Website



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Add :Ercun Road Section,Yanfeng Avenue,Shishan Town,Nanhai,  
Foshan City,Guangdong Province,China

Telephone: 0086-757-85519901

Fax: 0086-757-85579423

Web: [www.suoeraudio.com](http://www.suoeraudio.com)

MADE IN CHINA

# COMPANY INTRODUCTION



Established in 2005, Foshan Suoer Electronic Industry Co., Ltd., which is a professional manufacturer concerned with the design, development and production of LCD monitor, Car player, Car amplifier, Car audio equipment, etc. Our company has established an industrial park covering a land area of 20 thousand square meters, with standard workshop, advanced production equipment, a standard R&D building and world-leading facilities. Located in Foshan, Guangdong, China with convenient transport access, all of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world. Our company has brought in complete set of brand-new and well-equipped facilities exclusive for manufacturing Car Audio Equipment. The excellent quality control throughout all stages of production enables us to guarantee total customer satisfaction. Suoer brand is our registered trademark for our products, currently 90% of our products are exported to more than 200 countries and regions around the world. We always Stick to the "Technology innovation, Common development" service objective to provide our clients with excellent service of processing! We sincerely welcome you to visit our company or contact us freely for more details about our products!



In 2016, Suoer Factory officially was identified and certified as High-technology Enterprise



Suoer sticks to the idea of innovative development and technical refinement", and it has developed series of high-tech product which are popular and approbated by both of domestic and abroad customers. It proves its strength by obtaining several international patents.



## CA SERIES

Monoblock class D full range  
2 channels/4 channels Class AB full range



### PRODUCT TECHNICAL PARAMETER

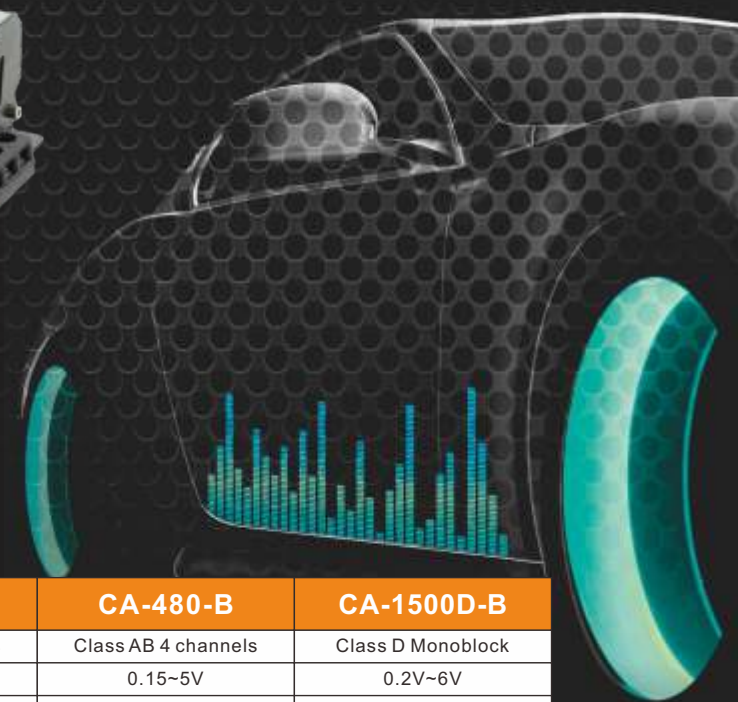
Functions	Model	CA-260-A	CA-440-A	CA-460-A	CA-480-A	CA-1500D-A
Product Type		Class AB 2 channels	Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class D Monoblock
Input sensitivity		0.2~5V	0.15~5V	0.15~5V	0.15~5V	0.2V~6V
Signal to noise ratio		>92DB	>92DB	>92DB	>92DB	>101DB
RMS Power(THD=1%)		2*60W/4Ohm (14.4v) 2*80W/2Ohm (14.4v)	4*40W/ 4Ohm (14.4v) 4*60W/ 2Ohm (14.4v)	4*60W/4 Ohm (14.4v) 4*80W/2 Ohm (14.4v)	4*80W/4 Ohm (14.4v) 4*100W/2 Ohm (14.4v)	1*200W/4 Ohm (14.4v) 1*350W/2 Ohm 1*500W/1Ohm(14.4v)
Bridged 4Ohm		1*150W(14.4v)	2*80W(14.4v)	2*120W(14.4v)	2*160W(14.4v)	NA
Frequency Response(-3DB)		15Hz~60KHZ	15Hz~40KHZ	15Hz~40KHZ	15Hz~40KHZ	10Hz~320Hz
Low pass frequency(-3DB)		50Hz~250Hz	20Hz~250Hz	20Hz~250Hz	20Hz~250Hz	30Hz~250Hz
High pass frequency(-3DB)		15Hz~3KHZ	20Hz~250Hz	20Hz~250Hz	20Hz~250Hz	NA
Bass boost(-3DB)		0~12DB	0~12DB	0~12DB	0~12DB	0~12DB
Subwoofer frequency		NA	NA	NA	NA	30Hz~250Hz
Fuse		30A*1	30A*1	30A*2	30A*2	30A*2
Power Supply		14.4V(9V~15V) Negative ground				
General harmonic distortion		<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Size(mm)		200x230x50mm	295x230x50mm	318x230x50mm	340x230x50mm	318x230x50mm
Net Weight(kg)		1.35kg	1.93kg	2.12kg	2.27kg	2.07kg





## CA SERIES

Monoblock class D full range  
2 channels/4 channels Class AB full range

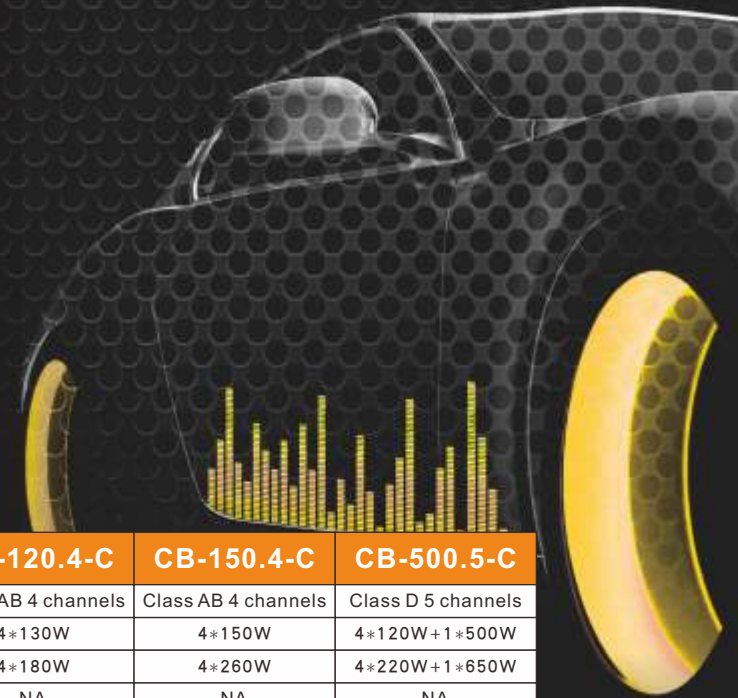


### PRODUCT TECHNICAL PARAMETER

Functions	Model	CA-260-B	CA-440-B	CA-460-B	CA-480-B	CA-1500D-B
Product Type		Class AB 2 channels	Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class D Monoblock
Input sensitivity		0.2~5V	0.15~5V	0.15~5V	0.15~5V	0.2V~6V
Signal to noise ratio		>92DB	>92DB	>92DB	>92DB	>101DB
RMS Power(THD=1%)		2*60W/4Ohm (14.4v) 2*80W/2Ohm (14.4v)	4*40W/ 4Ohm (14.4v) 4*60W/ 2Ohm (14.4v)	4*60W/4 Ohm (14.4v) 4*80W/2 Ohm (14.4v)	4*80W/4 Ohm (14.4v) 4*100W/2 Ohm (14.4v)	1*200W/4 Ohm (14.4v) 1*350W/2 Ohm 1*500W/1Ohm(14.4V)
Bridged 4Ohm		1*150W(14.4v)	2*80W(14.4v)	2*120W(14.4v)	2*160W(14.4v)	NA
Frequency Response(-3DB)		15Hz~60KHZ	15Hz~40KHZ	15Hz~40KHZ	15Hz~40KHZ	10Hz~320Hz
Low pass frequency(-3DB)		50Hz~250Hz	20Hz~250Hz	20Hz~250Hz	20Hz~250Hz	30Hz~250Hz
High pass frequency(-3DB)		15Hz~3KHZ	20Hz~250Hz	20Hz~250Hz	20Hz~250Hz	NA
Bass boost(-3DB)		0~12DB	0~12DB	0~12DB	0~12DB	0~12DB
Subwoofer frequency		NA	NA	NA	NA	30Hz~250Hz
Fuse		30A*1	30A*1	30A*2	30A*2	30A*2
Power Supply		14.4V(9V~15V) Negative ground				
General harmonic distortion		<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Size(mm)		200x230x50mm	295x230x50mm	318x230x50mm	340x230x50mm	318x230x50mm
Net Weight(kg)		1.35kg	1.93kg	2.12kg	2.27kg	2.07kg

## CB SERIES

Monoblock class D  
small size and big power  
double sided PCB  
with remote bass control knob

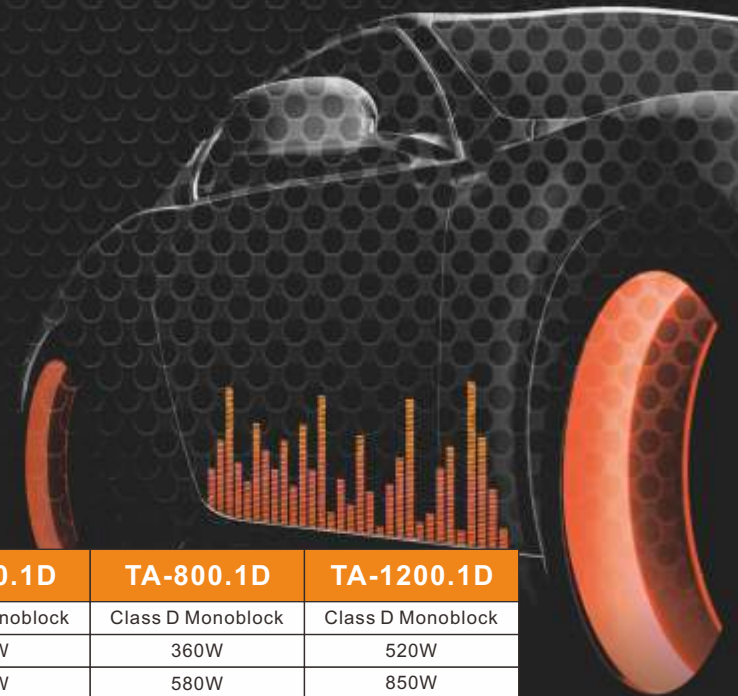


### PRODUCT TECHNICAL PARAMETER

Functions	Model	CB-500D-C	CB-800D-C	CB-1200D-C	CB-120.4-C	CB-150.4-C	CB-500.5-C
Electrical Schematic		Class D Monoblock	Class D Monoblock	Class D Monoblock	Class AB 4 channels	Class AB 4 channels	Class D 5 channels
RMS Power (THD=1%)	4Ohm	240W	360W	520W	4*130W	4*150W	4*120W+1*500W
	2Ohm	370W	580W	850W	4*180W	4*260W	4*220W+1*650W
	1Ohm	500W	800W	1200W	NA	NA	NA
Bridge 4 Ohms (RMS)		NA	NA	NA	2*280W	2*390W	2*450W
Master / Slave Power		1000W	1600W	2400W	NA	NA	NA
Signal To Noise Ratio		>103 DB	>103 DB	>103 DB	NA	NA	NA
Frequency Response(-3DB)		15~250Hz	15~250Hz	15~250Hz	15Hz-30KHz	15Hz-30KHz	13Hz-33KHz
Low Pass Frequency(-3DB)		25~250 Hz	25~250 Hz	25~250 Hz	18Hz-2.5KHz	18Hz-2.5KHz	14Hz-8KHz
High pass frequency(-3DB)		NA	NA	NA	18Hz-2.5KHz	18Hz-2.5KHz	16Hz-7.6KHz
Bass lift		NA	NA	NA	0-6-12 DB	0-6-12 DB	0-6-12 DB
Sub Sonic(-3DB)		15~55 Hz	15~55 Hz	15~55 Hz	49Hz	49Hz	49Hz
Bass Boost(45Hz)		0~12 DB	0~12 DB	0~12 DB	>92 DB	>92 DB	>92 DB
Input Impedance		47K	47K	47K	NA	NA	NA
Input Sensitivity		0.18~6V	0.18~6V	0.18~6V	0.2-6V	0.2-6V	0.2-6V
THD & Noise		<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Fuse		25A*2	30A*2	30A*4	70A*1	100A*1	100A*1
Size(mm)		145x230x57mm	185x230x57mm	235x230x57mm	363x240x60mm	429x240x60mm	363x240x60mm
Net Weight(kg)		1.78kg	2.09kg	2.42kg	3.65kg	4.45kg	4kg

## TA SERIES

Monoblock class D/4 channels class AB  
compact size and super power  
fashionable streamline heatsink with better heat dissipation  
double sided PCB  
with remote bass control knob



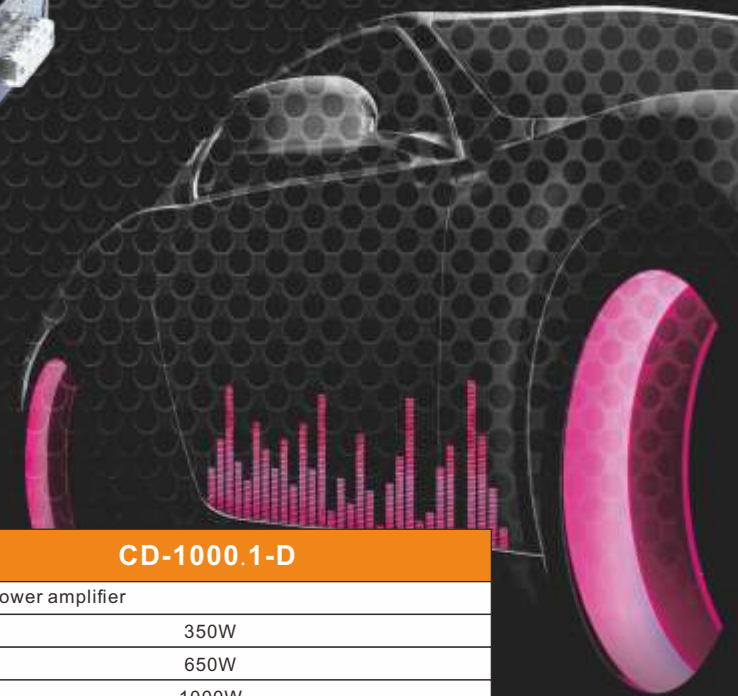
### PRODUCT TECHNICAL PARAMETER

Functions	Model	TA-80.4	TA-120.4	TA-150.4	TA-500.1D	TA-800.1D	TA-1200.1D
Electrical Schematic		Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class D Monoblock	Class D Monoblock	Class D Monoblock
RMS Power (THD=1%) (14.4v)	4Ohm	4*80W	4*130W	4*150W	240W	360W	520W
	2Ohm	4*100W	4*180W	4*260W	370W	580W	850W
	1Ohm	NA	NA	NA	500W	800W	1500W
Bridge 4 Ohms (RMS)		2*160W	2*280W	2*390W	NA	NA	NA
Master / Slave Power		NA	NA	NA	1000W	1600W	NA
Signal To Noise Ratio		>92DB	>92 DB	>92 DB	> 103 DB	> 103 DB	> 103 DB
Frequency Response(-3DB)		15Hz~40KHz	15Hz-30KHz	15Hz-30KHz	15~250Hz	15~250Hz	5~21K
Low Pass Frequency(-3DB)		20Hz~250Hz	18Hz-2.5KHz	18Hz-2.5KHz	25~250 Hz	25~250 Hz	80~Full
High pass frequency(-3DB)		20Hz~250Hz	18Hz-2.5KHz	18Hz-2.5KHz	NA	NA	10~80 Hz
Bass lift		NA	0-6-12 DB	0-6-12 DB	NA	NA	NA
Sub Sonic(-3DB)		NA	NA	NA	15~55 Hz	15~55 Hz	NA
Bass Boost(45Hz)		0~12DB	49Hz	49Hz	0~12 DB	0~12 DB	0~12 DB
Input Impedance		NA	NA	NA	47K	47K	NA
Input Sensitivity		0.15~5V	0.2-6V	0.2-6V	0.18~6V	0.18~6V	0.18~6V
THD & Noise		<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Fuse		30A*2	70A*1	100A*1	25A*2	30A*2	35A*4
Size(mm)		340x230x50mm	363x240x60mm	429x240x60mm	145x230x57mm	185x230x57mm	235X230X57mm
Net Weight(kg)		2.27kg	3.65kg	4.45kg	1.78kg	2.09kg	2.42kg



# CD SERIES

Monoblock class AB full range  
big size super power



## PRODUCT TECHNICAL PARAMETER

Functions		Model	CD-600.1-D	CD-1000.1-D
Product Type		Class AB full frequency mono power amplifier		
RMS Power (THD=1%)	4Ohm	200W	350W	
	2Ohm	350W	650W	
	1Ohm	600W	1000W	
Frequency Response(-3DB)		10Hz-47KHz		
High pass frequency(-3DB)		20Hz-120Hz / 120Hz-700Hz / 700Hz-4.1KHz		
Low Pass Frequency(-3DB)		50Hz-215Hz / 215Hz-925Hz / 925Hz-4KHz		
Raise the frequency of low pass		49Hz		
Bass Boost		0DB-12DB		
Signal To Noise Ratio		>92DB		
Input Sensitivity		0.2V-6V		
Fuse		20A*4		
THD&Noise		<0.01%		
Size(mm)		402x225x60mm		
Net Weight(kg)		4.3kg		

# CE SERIES

Monoblock/4 channels class D mini style



## PRODUCT TECHNICAL PARAMETER

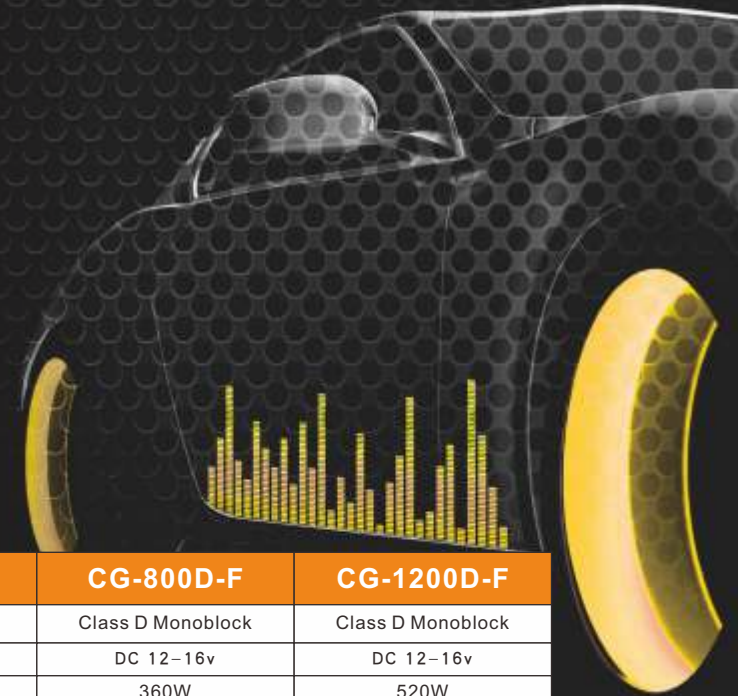
Functions		Model	CE-80.4D-E	CE-80.4D-E24	CE-500.1D-E
Product Type			Class D 4 channels	Class D 4 channels	Class D Monoblock
Working Voltage			11V~16V	20V~26V	12~16V
RMS Power (THD=1%)	4Ohm(RMS)		4*90W	4*90W	235W
	2Ohm(RMS)		4*140W	4*140W	384W
	1 Ohm (RMS)		NA	NA	520W
Bridge 2Ohm(RMS)			2*250W	2*250W	NA
Frequency Response(-3DB)			15Hz-29KHz	15Hz-29KHz	10-150Hz
High pass frequency(-3DB)			55Hz-750Hz	55Hz-750Hz	15-55Hz
Low Pass Frequency(-3DB)			55Hz-750Hz	55Hz-750Hz	30-150Hz
Raise the frequency of low pass			49Hz	49Hz	NA
Bass Boost			0DB-12DB	0DB-12DB	0DB~12DB
Signal To Noise Ratio			>93DB	>93DB	>95DB
Input Sensitivity			0.2V-6V	0.2V-6V	0.2~5V
THD & Noise			<0.01%	<0.01%	<0.1%
Fuse			30A*2	30A*2	25A*2
Size(mm)			190x150x55mm	190x150x55mm	190x155x55mm
Net Weight(kg)			1.65kg	1.65kg	1.5kg





## CG SERIES

Monoblock / 4 channels / 5 channels  
big size super power  
fashionable shape

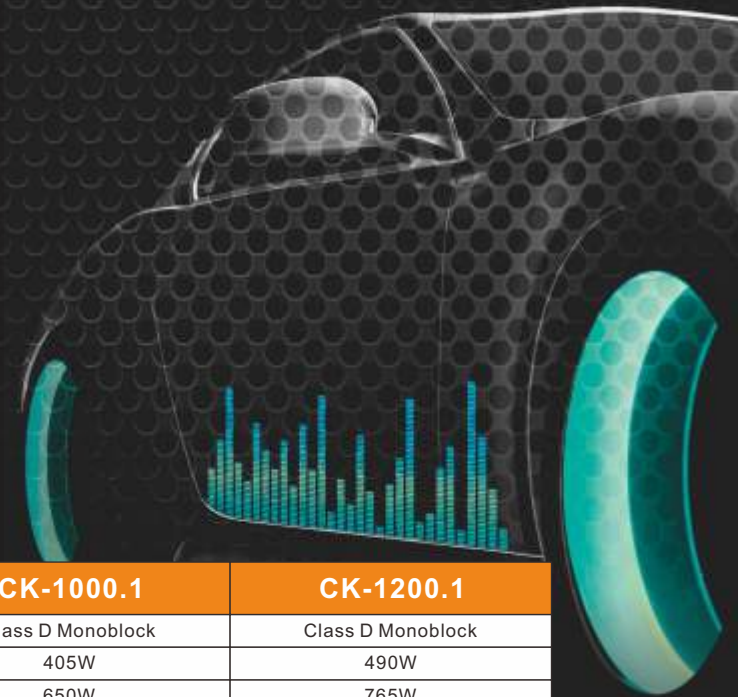


### PRODUCT TECHNICAL PARAMETER

Functions		Model	CG-120.4-F	CG-150.4-F	CG-500.5D-F	CG-800D-F	CG-1200D-F
Product Type			Class AB 4 channels	Class AB 4 channels	Class D 5 channels	Class D Monoblock	Class D Monoblock
Working Voltage			DC 12-16v	DC 12-16v	DC 12-16v	DC 12-16v	DC 12-16v
RMS Power (THD=1%)	4 Ohms (RMS)		4*130W	4*150W	4*120W+1*500W	360W	520W
	2 Ohms (RMS)		4*180W	4*260W	4*220W+1*650W	580W	850W
	1 Ohms (RMS)		NA	NA	NA	800W	1200W
Bridge 4 Ohms (RMS)			2*280W	2*390W	2*450W	NA	NA
Frequency Response(-3DB)			15Hz-30KHz	15Hz-30KHz	13Hz-33KHz	15~250Hz	15~250Hz
High pass frequency(-3DB)			18Hz-2.5KHz	18Hz-2.5KHz	16Hz-7.6KHz	NA	NA
Low pass frequency(-3DB)			18Hz-2.5KHz	18Hz-2.5KHz	14Hz-8KHz	25~250 Hz	25~250 Hz
Bass boost			49Hz	49Hz	49Hz	15~55 Hz	15~55 Hz
Bass lift			0-6-12 DB	0-6-12 DB	0-6-12 DB	0~12 DB	0~12 DB
Signal to noise ratio			>92 DB	>92 DB	>92 DB	>103 DB	>103 DB
Input Sensitivity			0.2-6V	0.2-6V	0.2-6V	0.18-6V	0.18-6V
THD & Noise			<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Fuse			70A*1	100A*1	100A*1	30A*2	30A*4
Size (mm)			363x240x60mm	429x240x60mm	363x240x60mm	185x230x57mm	235x230x57mm
Net Weight(kg)			3.65kg	4.45kg	4kg	2.09kg	2.42kg

## CK SERIES

Monoblock class D mini size big power  
over-voltage and negative-voltage protection



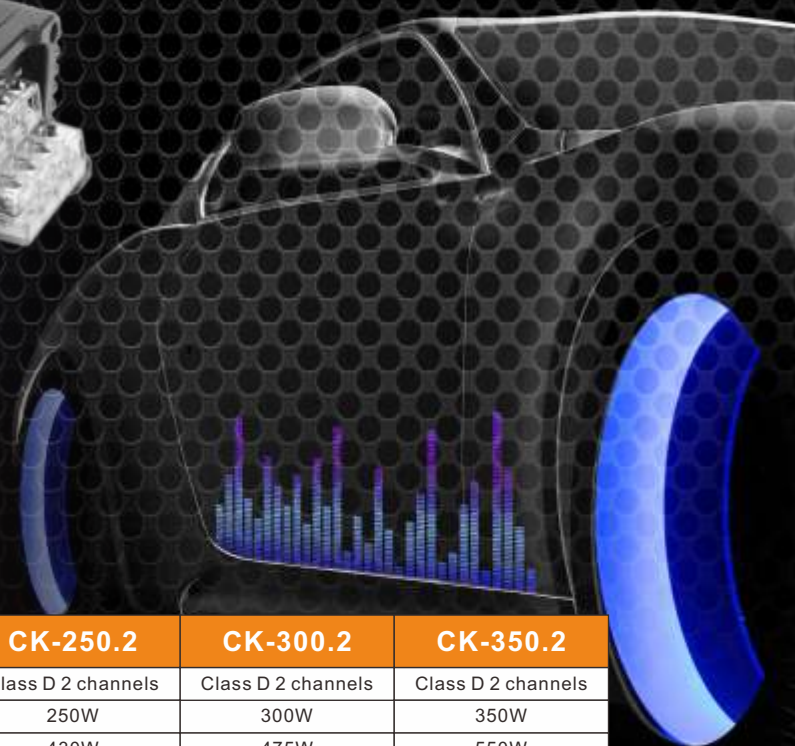
### PRODUCT TECHNICAL PARAMETER

Functions		Model	CK-500.1	CK-800.1	CK-1000.1	CK-1200.1
Product Type			Class D Monoblock	Class D Monoblock	Class D Monoblock	Class D Monoblock
RMS Power (THD=1%)	4Ohm (RMS)		200W	325W	405W	490W
	2Ohm (RMS)		320W	509W	650W	765W
	1Ohm (RMS)		500W	800W	1000W	1200W
Frequency Response(-3DB)			20-260Hz	20-260Hz	20-260Hz	20-260Hz
Low Pass Frequency(-3DB)			45-250Hz	45-250Hz	45-250Hz	45-250Hz
Raise the frequency of low pass			50Hz	50Hz	50Hz	50Hz
Bass Boost(-3DB)			0-12DB	0-12DB	0-12DB	0-12DB
Signal To Noise Ratio			>95DB	>90DB	>93DB	>95DB
Input Sensitivity			0.2-6v	0.2-6v	0.2-6v	0.2-6v
THD & Noise			<0.01%	<0.01%	<0.01%	<0.01%
Fuse			25A*4	30A*4	30A*4	35A*4
Size(mm)			270x155x52mm	270x155x52mm	270x155x52mm	330x155x52mm
Net Weight(kg)			2kg	2kg	2kg	2.5kg



## CK SERIES

2 channels class AB full range big size super power  
over-voltage and negative-voltage protection



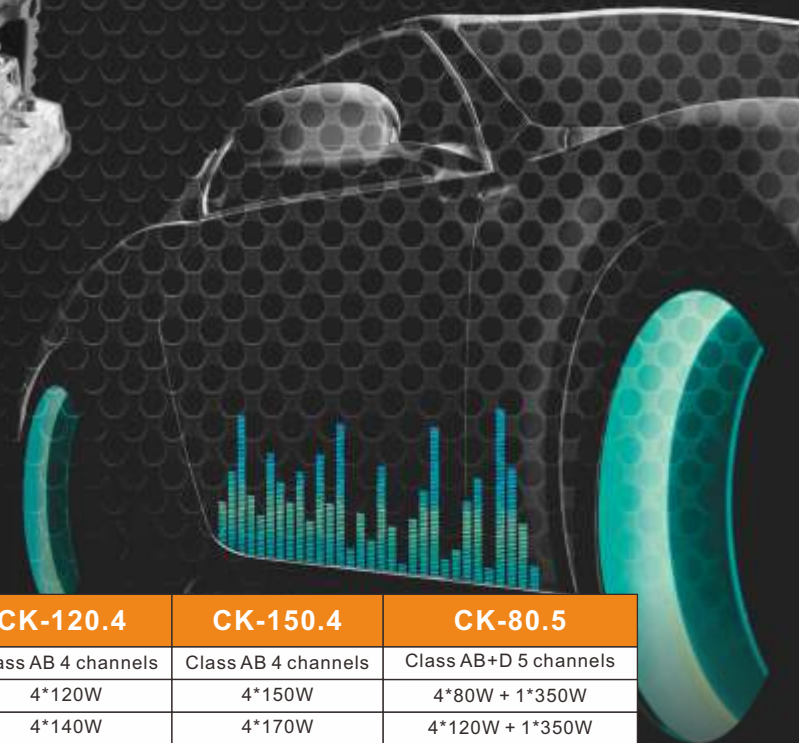
### PRODUCT TECHNICAL PARAMETER

Functions		Model	CK-100.2	CK-150.2	CK-200.2	CK-250.2	CK-300.2	CK-350.2
Product Type			Class D 2 channels	Class D 2 channels	Class D 2 channels	Class D 2 channels	Class D 2 channels	Class D 2 channels
RMS Power (THD=1%)	4Ohm (RMS)		100W	150W	200W	250W	300W	350W
	2Ohm (RMS)		175W	225W	325W	430W	475W	550W
Bridge 4 Ohms (RMS)			300W	430W	600W	750W	850W	980W
Frequency Response(-3DB)			20-20KHz	20-20KHz	20-20KHz	20-20KHz	20-20KHz	20-20KHz
Low Pass Frequency(-3DB)			45-250Hz	45-250Hz	45-250Hz	45-250Hz	45-250Hz	45-250Hz
Raise the frequency of low pass			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Bass Boost(-3DB)			0-12DB	0-12DB	0-12DB	0-12DB	0-12DB	0-12DB
Signal To Noise Ratio			>95DB	>95DB	>95DB	>95DB	>95DB	>95DB
Input Sensitivity			0.2-6v	0.2-6v	0.2-6v	0.2-6v	0.2-6v	0.2-6v
THD & Noise			<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
Fuse			25A*4	25A*4	30A*4	30A*4	30A*2	40A*4
Size(mm)			270x155x52mm	270x155x52mm	270x155x52mm	270x155x52mm	270x155x52mm	270x155x52mm
Net Weight(kg)			2kg	2kg	2kg	2kg	2kg	2kg



## CK SERIES

4 channels/5 channels class AB compact size  
over-voltage and negative-voltage protection

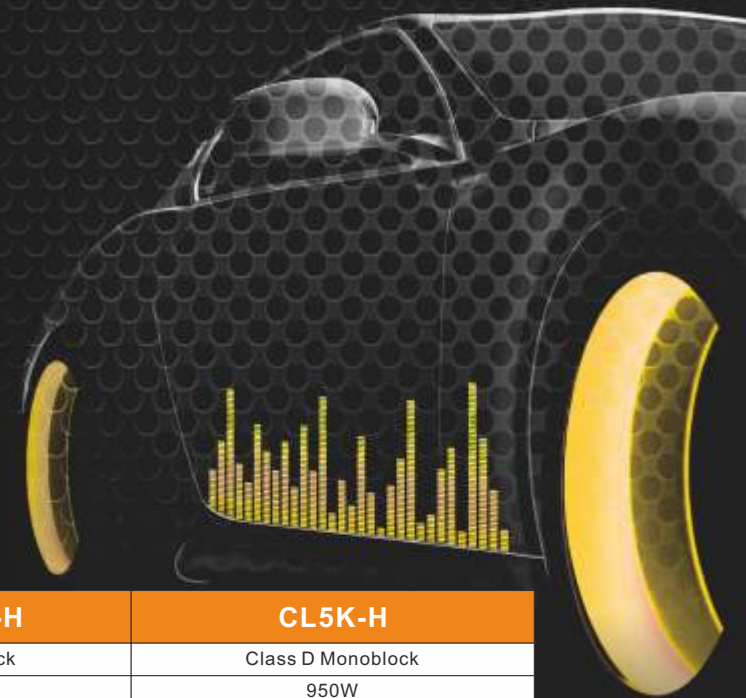


### PRODUCT TECHNICAL PARAMETER

Functions		Model	CK-50.4	CK-80.4	CK-100.4	CK-120.4	CK-150.4	CK-80.5
Product Type			Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class AB 4 channels	Class AB+D 5 channels
RMS Power (THD=1%)	4Ohm (RMS)		4*50W	4*80W	4*100W	4*120W	4*150W	4*80W + 1*350W
	2Ohm (RMS)		4*80W	4*100W	4*120W	4*140W	4*170W	4*120W + 1*350W
Bridge 4Ohm(RMS)			2*150W	2*200W	2*220W	2*250W	2*300W	2*200W
Frequency Response(-3DB)			10-30KHz	10-30KHz	10-30KHz	10-30KHz	10-30KHz	20-20KHz
High Pass Frequency(-3DB)			50-250Hz	50-250Hz	50-250Hz	50-250Hz	50-250Hz	50-20KHz
Low Pass Frequency(-3DB)			50-250Hz	50-250Hz	50-250Hz	50-250Hz	50-250Hz	20-250Hz
Raise the frequency of low pass			48Hz	48Hz	48Hz	48Hz	48Hz	45-50Hz
Bass Boost(-3DB)			0-12DB	0-12DB	0-12DB	0-12DB	0-12DB	0-12DB
Signal To Noise Ratio			>86DB	>95DB	>95DB	>95DB	>95DB	>89DB
Input Sensitivity			0.2-6V	0.2-6V	0.2-6V	0.2-6V	0.2-6V	0.2-6V
THD & Noise			0.01%	0.01%	0.01%	0.01%	0.01%	<0.02%
Fuse			25A*2	35A*2	30A*3	35A*3	40A*3	40A*3
Size(mm)			235x155x52mm	265x155x52mm	285x155x52mm	305x155x52mm	325x155x52mm	320x155x52mm
Net Weight(kg)			1.76kg	1.95kg	2.06kg	2.3kg	2.43kg	2.4kg

## CL SERIES

Monoblock Super big power  
fashionable heatsink with Trim stri  
perfect suitable for driving subwoofer  
with remote bass control knob



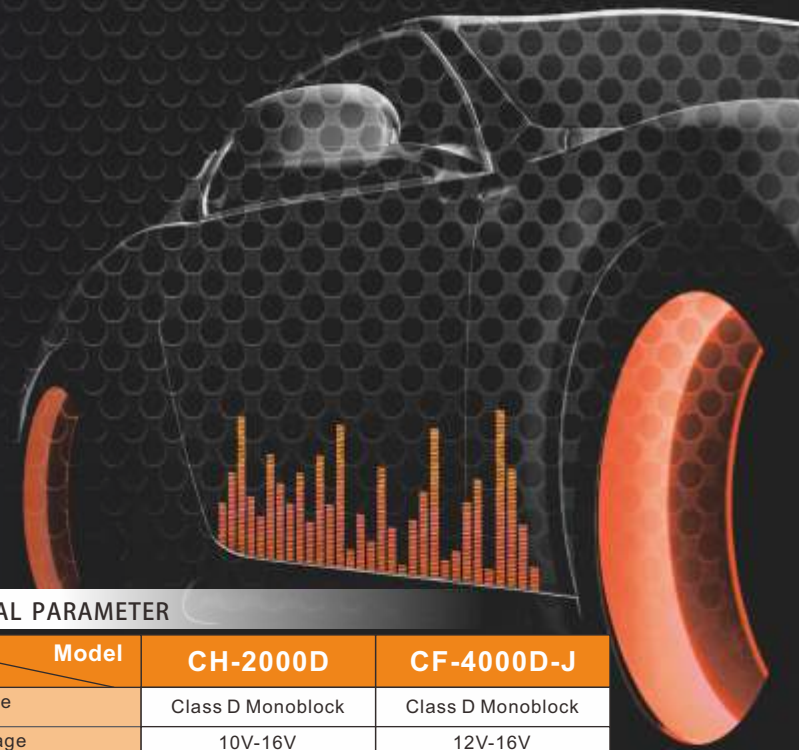
### PRODUCT TECHNICAL PARAMETER

Functions	Model	CL500.1D-H	CL1500.1D-H	CL5K-H
Product Type		Class D Monoblock	Class D Monoblock	Class D Monoblock
RMS Power (THD=1%)	4Ohm (RMS)	205W	656W	950W
	2Ohm (RMS)	360W	1106W	1800W
	1Ohm (RMS)	548W	1635W	2800W
RMS Power(THD=10%) 1Ohm (RMS)		650W	1900W	3400W
Frequency Response(-3DB)		10-220Hz	10-220Hz	10-220Hz
High pass frequency		OFF-50Hz	OFF-50Hz	OFF-50Hz
Low Pass Frequency(-3DB)		50-220Hz	50-220Hz	50-220Hz
Raise the frequency of low pass		49Hz	49Hz	49Hz
Bass Boost		0-12DB	0-12DB	0-12DB
Signal To Noise Ratio		>95DB	>95DB	>95DB
Input Sensitivity		0.2-6V	0.2-6V	0.2-6V
THD&Noise		<0.03%	<0.03%	<0.03%
Fuse		External fuse	External fuse	External fuse
Size(mm)		215x152x60mm	380x152x60mm	445x152x60mm
Net Weight(kg)		1.93KG	3.79KG	6.65KG

# HIGH POWER SERIES

Monoblock class D sufficient power and strong driving ability with remote bass control knob

CH-2000D



CF-4000D-J

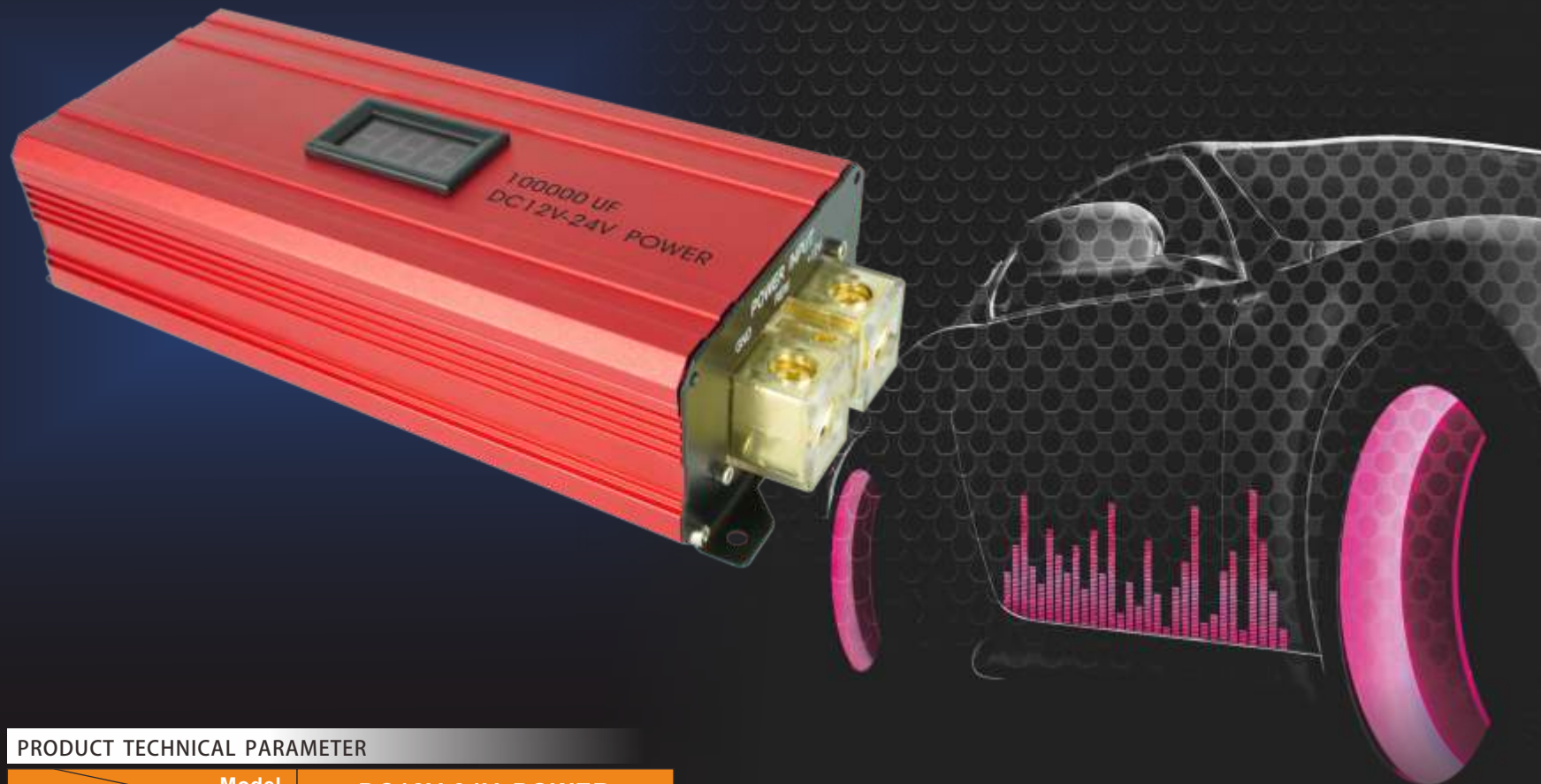
PRODUCT TECHNICAL PARAMETER

Functions	Model	CH-2000D	CF-4000D-J
Product Type		Class D Monoblock	Class D Monoblock
Working Voltage		10V-16V	12V-16V
RMS Power (THD=1%)	4 Ohms (RMS)	750W	850W
	2 Ohms (RMS)	1150W	1630W
	1 Ohms (RMS)	2000W	2976W
RMS Power(THD=10%) 10hm (RMS)		2500W	3587W
Frequency Response(-3DB)		20-220Hz	5-22KHz
High pass frequency(-3DB)		NA	5-250Kz
Low pass frequency(-3DB)		46Hz	60-22KHz
Bass boost		0-12DB	49Hz
Bass lift		1~12DB	1~12DB
Signal to noise ratio		>90DB	>96DB
Input Sensitivity		0.2~6V	0.3-6V
THD & Noise		0.01%	<0.3%
Fuse		External fuse	External fuse
Size (mm)		488x228x60mm	330x225x55mm
Net Weight(kg)		5.5kg	3.75kg



# CAR AMPLIFIER POWER SUPPLY

## OWNER'S MANUAL



### PRODUCT TECHNICAL PARAMETER

Functions	Model	DC12V-24V POWER
Working Voltage		DC12V-24V
Size (mm)		255x96x57mm
Net Weight(kg)		1.13kg