



Vehicle Connector Introduction

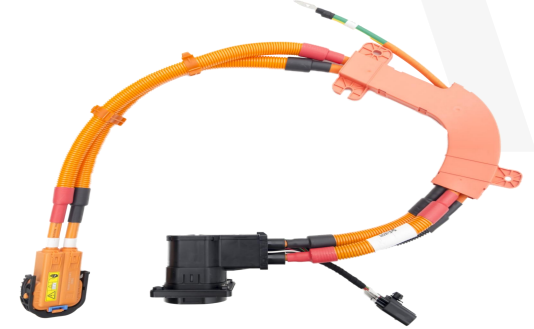
◆ Customized Cable Assembly:



MCU Cable Assembly



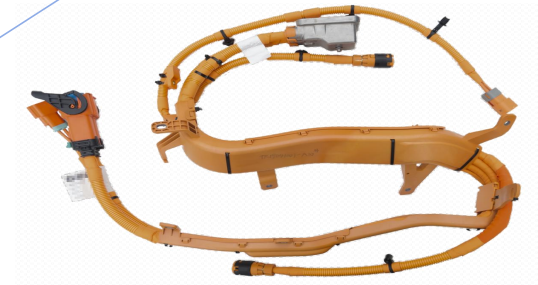
AC Vehicle Inlet Cable Assembly



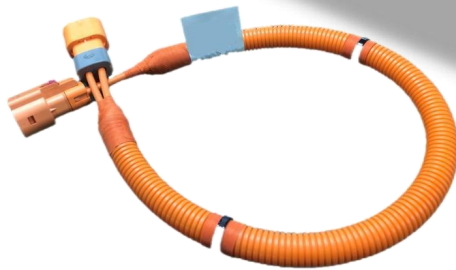
DC Vehicle Inlet Cable Assembly



Air Conditioner Cable Assembly



DC Bus Cable Assembly



Heater Cable Assembly



3-Phase Motor Cable Assembly

Major Vehicle Product Introduction (Mass Production)

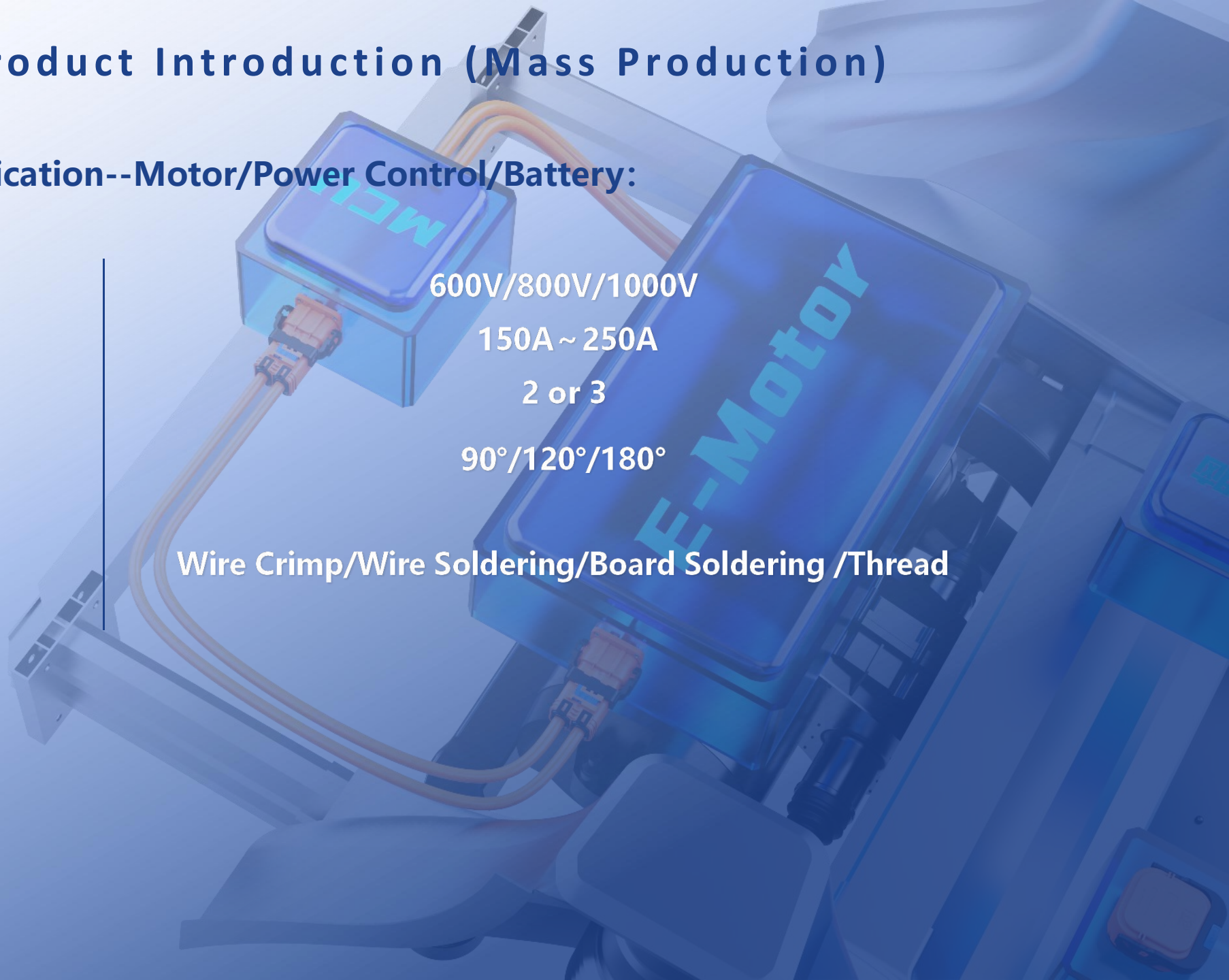




Major Vehicle Product Introduction (Mass Production)

◆ Large Current Application--Motor/Power Control/Battery:

Voltage Level	600V/800V/1000V
Current Range	150A~250A
Circuits Number	2 or 3
Cable Angle	90°/120°/180°
Tail Type	Wire Crimp/Wire Soldering/Board Soldering /Thread



Major Vehicle Product Introduction (Mass Production)

YG998C

Rated Current

200-300A

Rated Voltage

1000V AC

Dielectric Strength

3000V AC 50HZ

Protection Level

IP67&IP6K9K

Circuits Number

2

Feature

Metal Shell for EMC

Application

Battery, Motor and Control



直式



弯式



Major Vehicle Product Introduction (Mass Production)

YG1033A

Rated Current

200-300A

Rated Voltage

1000V AC

Dielectric Strength

3000V AC 50HZ

Protection Level

IP67&IP6K9K

Circuits Number

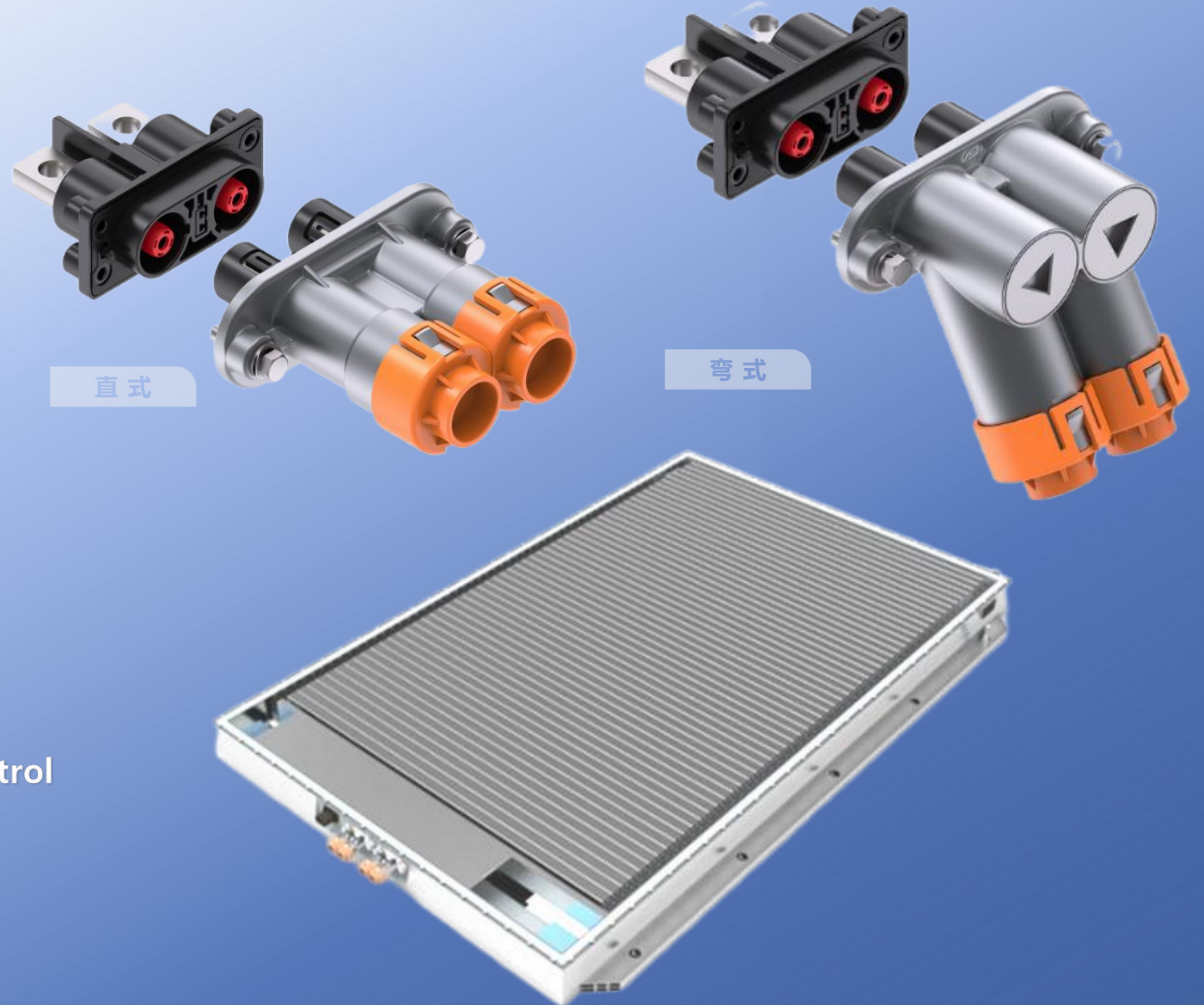
2

Feature

Thread Locking,
Metal Shell for EMC

Application

Battery, Motor and Control



Major Vehicle Product Introduction (Mass Production)

YG1079

Rated Current

100-200A

Rated Voltage

1000V AC

Dielectric Strength

3000V AC 50HZ

Protection Level

IP67&IP6K9K

Circuits Number

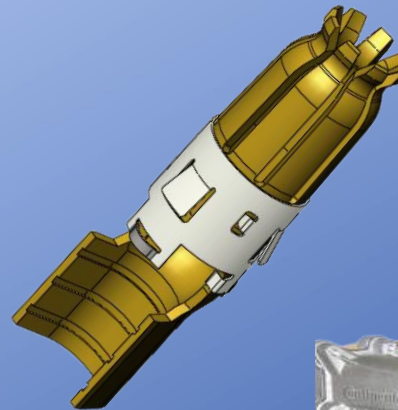
2 or 3

Feature

Stamping Contacts

Application

Battery, Motor and Control



Major Vehicle Product Introduction (Mass Production)

◆ Low Current Application---PDU/OBC/Converter:

Voltage Level
Current Range
Circuits Number
Cable Angle
Tail Type

600V/800V/1000V

16A~60A

2 / 3 / 4

90°/180°

Wire Crimping/Wire Soldering/ Board Soldering

Major Vehicle Product Introduction (Mass Production)

YG1176

Rated Current

16-40A

Rated Voltage

800V

Dielectric Strength

3000V AC 50HZ

Protection Level

IP67&IP6K9K

Circuits Number

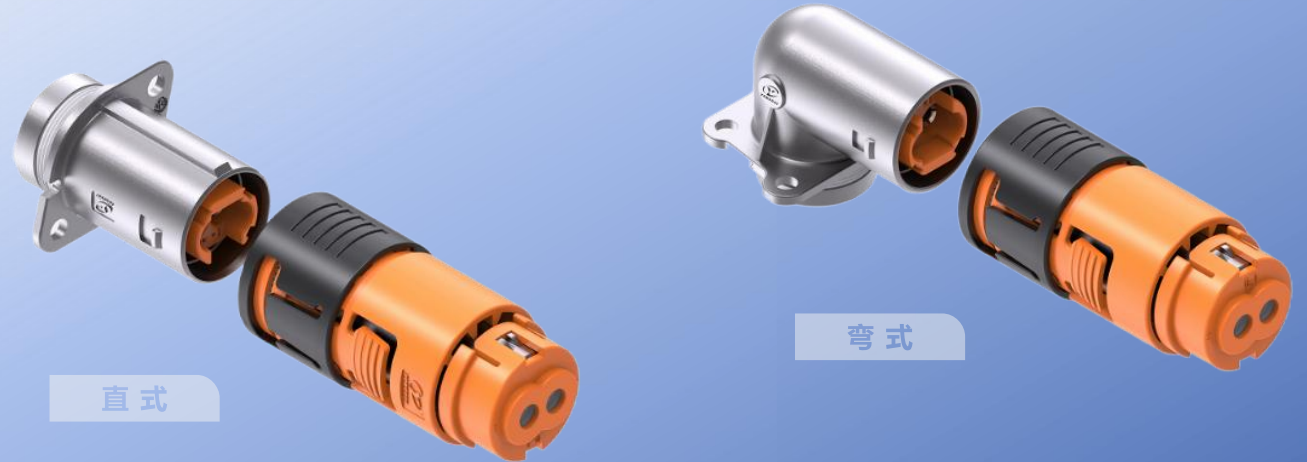
2

Feature

Metal Shell for EMC

Application

High Voltage/Low Power
Utilized on OBC ,AC, PTC
Components



Note: OBC=On Board Charger
PTC=Positive Temperature Coefficient
AC= Air Conditioner

Major Vehicle Product Introduction (Mass Production)

YG1176

Rated Current	16-40A
Rated Voltage	800V
Dielectric Strength	3000V AC 50HZ
Protection Level	IP67&IP6K9K
Circuits Number	2
Feature	Plastic Shell and Stamping Contact for Cost Saving
Application	High Voltage/Low Power Utilized on AC, PTC Components



Major Vehicle Product Introduction (Mass Production)

◆MSD Introduction:

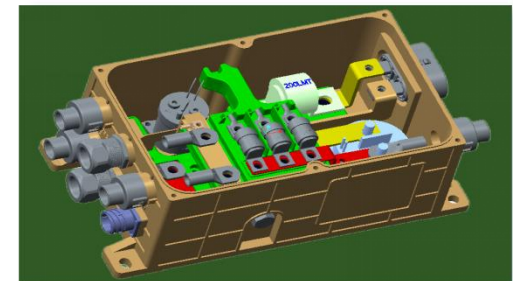


Type	Secondary Locking	Poka-Yoke	High Voltage Locking	Electrical Shock Protection	Rated Current (A)	Rated Voltage(V)
YG1052	✓		✓	✓	200	750
YG1040	✓	✓	✓	✓	250	750
YG1130	✓	✓	✓	✓	400	1000

Note: MSD=Mannual Service Disconnector

Major Vehicle Product Introduction (Mass Production)

Customized High Voltage Cabinet:

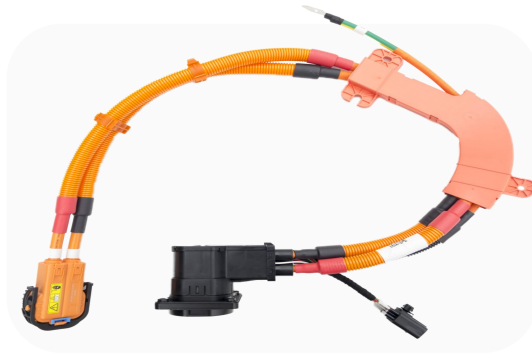


Major Vehicle Product Introduction (Mass Production)

◆Customized Cable Assembly:



AC Vehicle Inlet Cable Assembly



DC Vehicle Inlet Cable Assembly



AC/DC Hybrid Vehicle Inlet Cable Assembly



DC Bus Cable Assembly



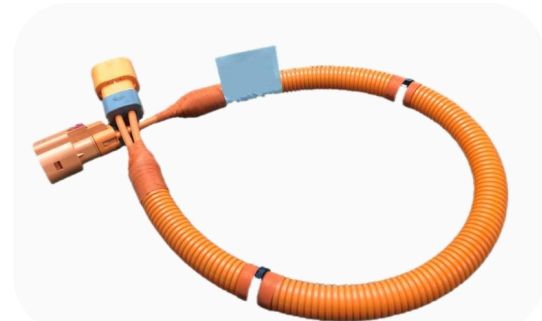
3-Phase Motor Cable Assembly



Air Conditioner Cable Assembly



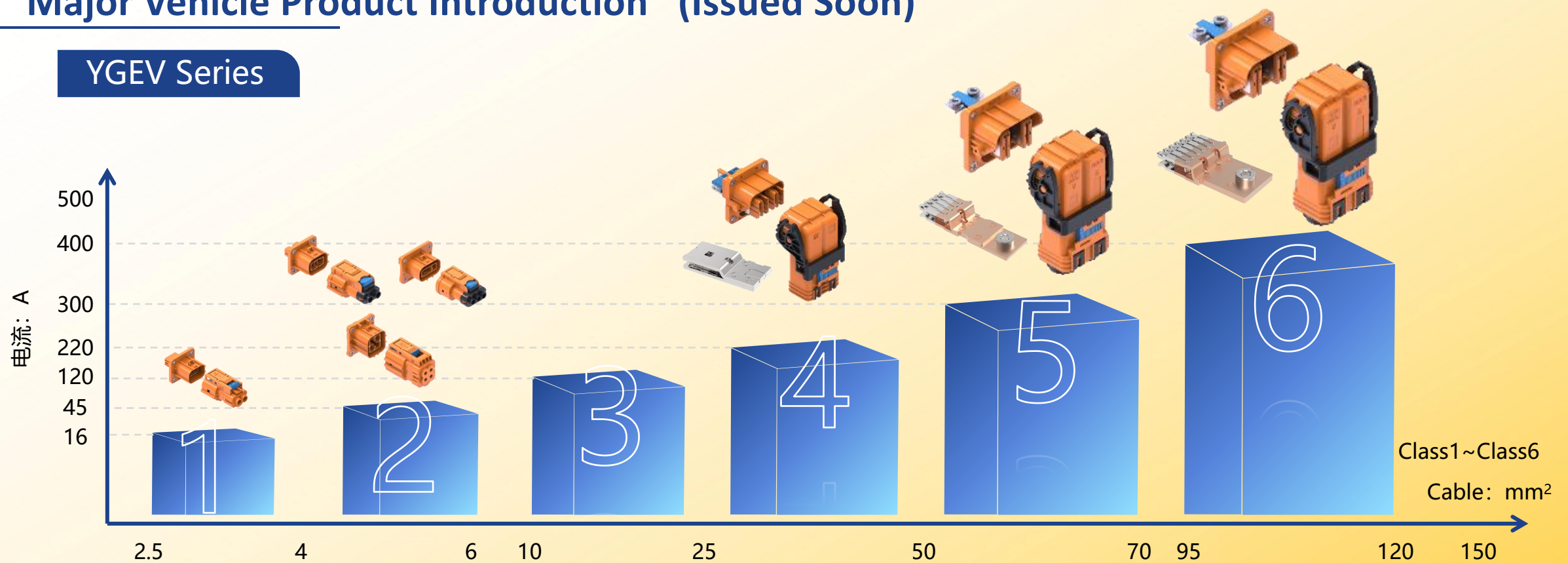
MCU Cable Assembly



Heater Cable Assembly

Note: MCU=Micro-Controller Unit

YGEV Series



TYPE	YGEV1	YGEV2	YGEV3	YGEV4	YGEV5	YGEV6
Wire Range	2.5-4mm ²	4-6mm ²	10-25mm ²	25-50mm ²	50-70mm ²	95mm ²
Stamping Contact Szie	2.8*0.8	5.8*0.8	10*1.5	18*2	20*2.5	31*3.5
MAX. Current	16A	45A	120A	250A	300A	400A
Voltage Level	800V	800V	1000V	1000V	1000V	1000V

YGEV 1

Technical Parameter (Issued Soon)

Mounting Compatibility

TE: HVA280

Performance Compatibility

TE: HVA280

终端类型Terminal Type

YGEV1-2/3芯

导线范围Wire Range

2.5mm²、4mm²

导线连接Wire Connecting

Crimping

导线出口方向Wire Exit Direction

180°

电压额定值Voltage Rating

800V AC

振动水平Vibration Level

V2 (QC/T 1067.1)

环境温度Ambient Temperature

-40-125°C

最大连续载流量Max. Continuous Ampacity

16A@85°C (2.5mm²)

20A@85°C (4mm²)

屏蔽Shielding

360° 全屏蔽360° Individual Shielding

阻燃Flame Retardant

UL94 V-0、HB

IP等级IP Rating

IP67&IP6K9K、IPXXB

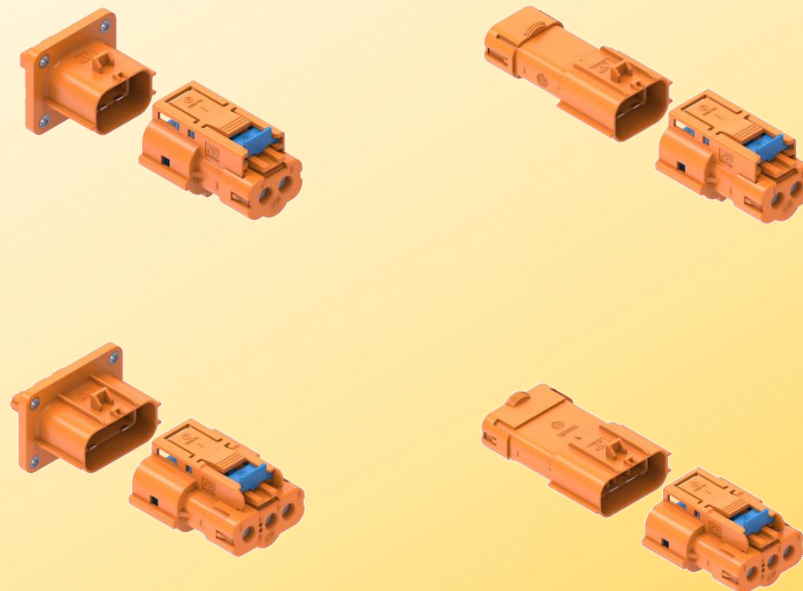
符合规范Spec Complied

QC/T 1067.1

应用Application

空调压缩机、PTC、充电机、DCDC、高压盒等的电气连接

Electrical connection of air conditioning compressor, PTC, charger, DCDC, high-voltage box, etc



YGEV 2

Technical Parameter (PV Phase)

Mounting Compatibility

Performance Compatibility

终端类型Terminal Type

导线范围Wire Range

导线连接Wire Connecting

导线出口方向Wire Exit Direction

电压额定值Voltage Rating

振动水平Vibration Level

环境温度Ambient Temperature

最大连续载流量Max. Continuous Ampacity

屏蔽Shielding

阻燃Flame Retardant

IP等级IP Rating

符合规范Spec Complied

应用Application

Electrical connection of air conditioning compressor, PTC, charger, DCDC, high-voltage box, etc

Mounting Compatibility

TE: HVA280 HVC3P63 HVC4P63

TE: HVA280 HVC3P63 HVC4P63

YGEV2-2/3/4芯

2.5mm²、4mm²、6mm²

Crimping

180°

800V AC

V2 (USCAR 37)

-40-125°C

20A@85°C (2.5mm²)

32A@85°C (4mm²)

40A@85°C (6mm²)

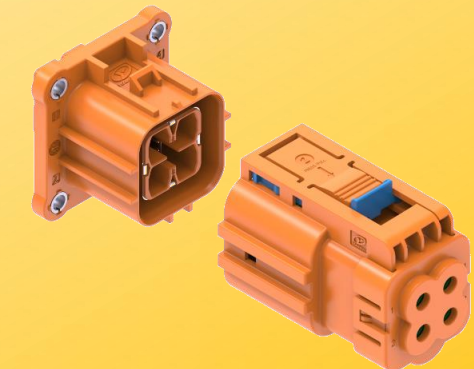
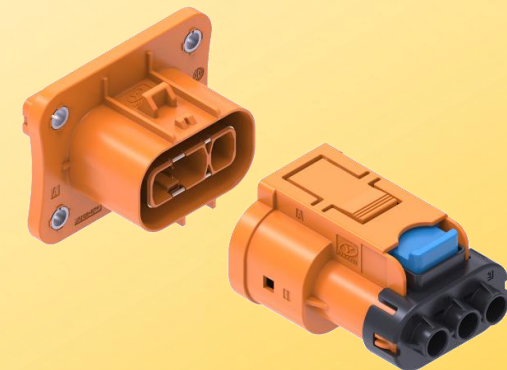
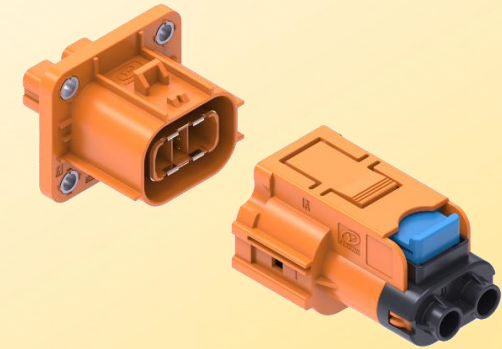
360° 全屏蔽360° Individual Shielding

UL94 V-0(塑料)、HB(橡胶)

IP67&IP6K9K、IPXXB

USCAR 37

空调压缩机、PTC、充电机、DCDC、高压盒等的电气连接



YGEV4

Technical Parameter (Straight Version: Issued Soon; Fight Angle Vesion: Tooling Fabrication)**Mounting Compatibility****TE: CSJ1800****Performance Compatibility****TE: CSJ1800**

终端类型Terminal Type

YGEV4A

导线范围Wire Range

35mm²、50mm²

导线连接Wire Connecting

Soldering

导线出口方向Wire Exit Direction

90°/180 °

电压额定值Voltage Rating

1000V AC

振动水平Vibration Level

V2 (QC/T 1067.1)

环境温度Ambient Temperature

-40-125°C

最大连续载流量Max. Continuous Ampacity

125A@85°C (35mm²)200A@85°C (50mm²)

屏蔽Shielding

360° 全屏蔽360° Individual Shielding

阻燃Flame Retardant

V0, HB (橡胶)

IP等级IP Rating

IP67&IP6K9K、IPXXB

符合规范Spec Complied

QC/T 1067.1

应用Application

MCU、电池包、充电机、高压盒等的电气连接

MCU, Battery pack, charger, high-voltage box, etc



YGEV5

Technical Parameter (Tooling Fabrication)

Mounting Compatibility

TE: CSJ1800

Performance Compatibility

TE: CSJ1800

终端类型Terminal Type

YGEV5

导线范围Wire Range

50mm²、70mm²

导线连接Wire Connecting

Soldering

导线出口方向Wire Exit Direction

90°/180°

电压额定值Voltage Rating

1000V DC

振动水平Vibration Level

V2 (QC/T 1067.1)

环境温度Ambient Temperature

-40-140°C

最大连续载流量Max. Continuous Ampacity

200A@85°C (50mm²)300A@85°C (70mm²)

屏蔽Shielding

360° 全屏蔽 360° Individual Shielding

阻燃Flame Retardant

V0

IP等级IP Rating

IP67&IP6K9K、IPXXB

符合规范Spec Complied

USCAR 37

应用Application

MCU、电池包、高压盒等的电气连接

MCU, Battery pack, high-voltage box, etc



YGEV系列新品

Technical Parameter (Tooling Fabrication)

Mounting Compatibility

TE: CSJ2100

Performance Compatibility

TE: CSJ2100

终端类型Terminal Type

YGEV6

导线范围Wire Range

70mm²、95mm²

导线连接Wire Connecting

Soldering

导线出口方向Wire Exit Direction

90°/180°

电压额定值Voltage Rating

1000V DC

振动水平Vibration Level

V2 (QC/T 1067.1)

环境温度Ambient Temperature

-40-140°C

最大连续载流量Max. Continuous Ampacity

300A@85°C (70mm²)400A@85°C (95mm²)

屏蔽Shielding

360° 全屏蔽 360° Individual Shielding

阻燃Flame Retardant

V0

IP等级IP Rating

IP67&IP6K9K、IPXXB

符合规范Spec Complied

USCAR 37

应用Application

MCU、电池包、高压盒等的电气连接

MCU, Battery pack, high-voltage box, etc



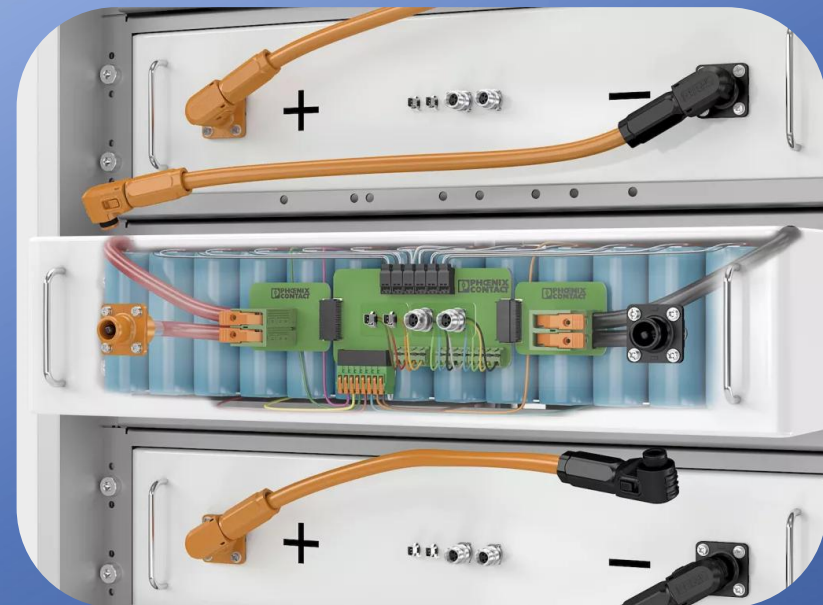
Part 2:

Energy Storage Connector

Major Vehicle Product Introduction (Mass Production)

ESC-HP

Rated Current	80-400A
Rated Voltage	AC 1500V
Dielectric Strength	6800V AC
Protection Level	IP67 & IP54
Temperature Rising	30 K
Feature	360° Mating / Rapid Unmating / Low Cost
Application	Power transmission of energy storage battery module



Major Vehicle Product Introduction (Mass Production)

ESC-TB

Rated Current

200-350A

Rated Voltage

AC 800 *1500V

Dielectric Strength

AC 3000--6800V AC

Protection Level

IP20

Temperature Rising

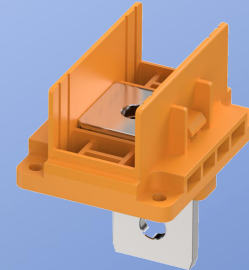
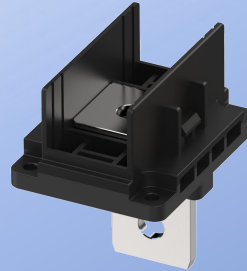
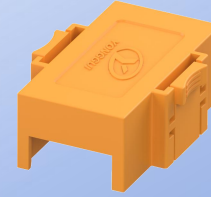
45 K

Feature

Thread Locking, Rapld to
connctt to wire

Application

Power transmission of energy
storage battery module



YONGGUI

CONNECTION TO FUTURE