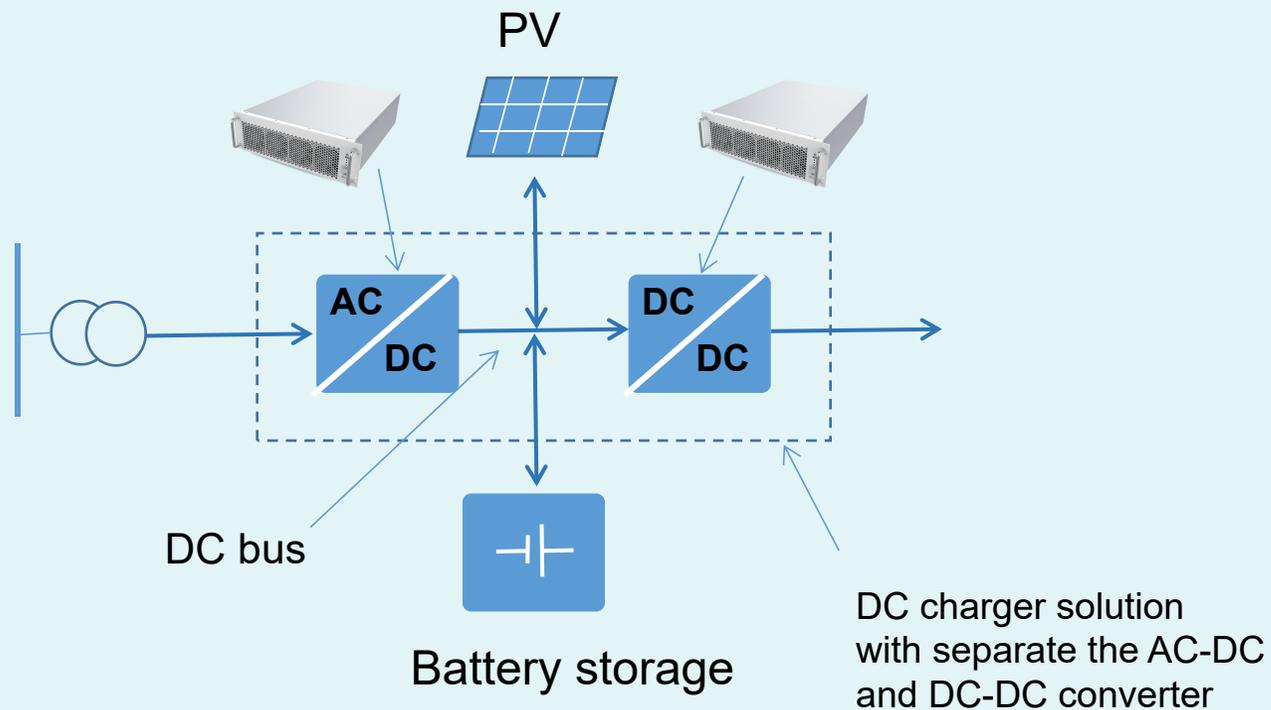


the flexible solution for EV charger

by Kim Fu
2020/01/13

New product platform for EV charger



- separate the AC-DC and DC-DC converter to make a DC bus to connect PV and battery
- with the bi-directional solution in same size complaint the V2G
- independent bi-directional AC-DC and DC-DC for energy store application
- DC-DC converter for DC source charger



The Product Family

EVA863

850V@62.5kW Rectifier



- on sale
- work with EVD

EVBA863

850V@62.5kW
bi-directional
AC-DC converter



- on plan
- upgrade from EVA
- for grid connected or island
- work with EVBD and battery

EVD960

950V@60kW DCDC converter



- on sale
- work with EVA

EVBD960

950V@60kW
bi-directional
DCDC converter



- on plan
- upgrade from EVD
- work with EVBA and battery

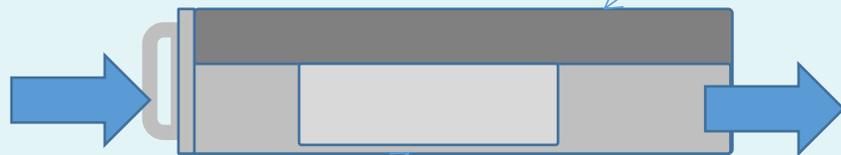
The Product Family

air dust is impotent for the reliability

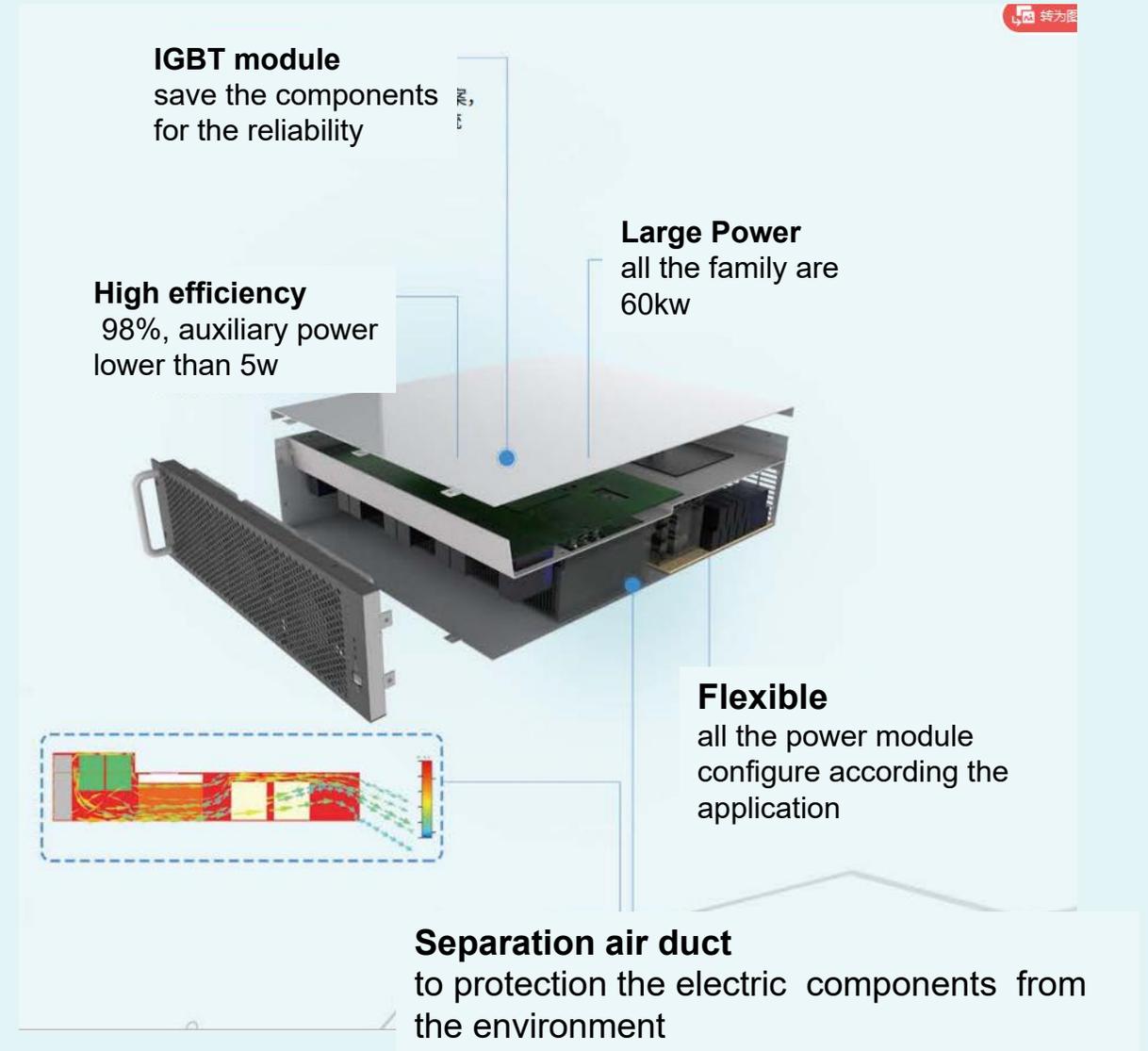


**Non-separation duct power module
2-3years later inside**

components has been sealed
in the upper chamber



Heat radiator in the ventilation duct for cooling
separation duct power module



转为图

IGBT module
save the components
for the reliability

High efficiency
98%, auxiliary power
lower than 5w

Large Power
all the family are
60kw

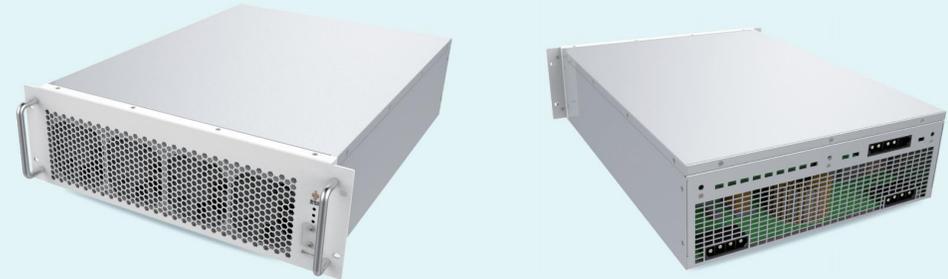
Flexible
all the power module
configure according the
application

Separation air duct
to protection the electric components from
the environment

EVA863

850V@62.5kW Rectifier

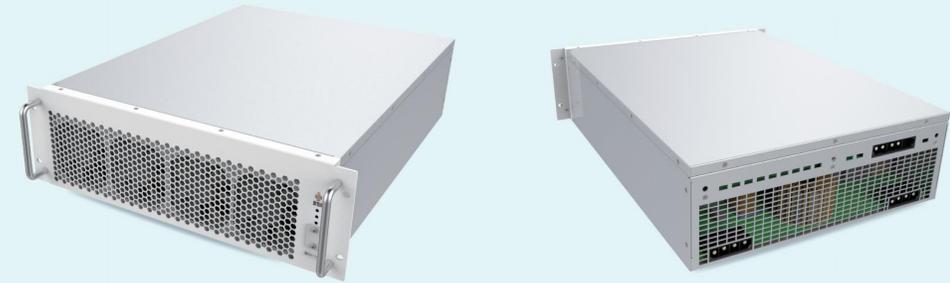
AC Input	
Input voltage range	320Vac~530Vac, 3phase without neutral
MAX input current	<120A
Frequency range	45Hz ~ 65Hz
Power factor	≥0.99
Efficiency (full load)	>98.2%
THD(total harmonic distortion)	<5%
DC output	
Output power	62.5kw
Output voltage range	570 ~ 850Vdc
MAX Output current	100A
voltage stabilized accuracy	< ±0.5%
Current stabilized accuracy	≤±1% (output power in 20% ~ 100%)
Mechanic	
Dimension	125mm (H) ×360mm (W) ×490mm (D)
Weight	≤19kg



- separation air duct to protection the electric components from the environmental
- high efficiency to 98.2%
- CAN bus for controlling

EVD960

950V@60kW DCDC converter



DC Input	
Input voltage range	560Vdc~850Vdc
MAX input current	<75A
Efficiency (full load)	>98.2%
DC output	
Output power	60kw
Output voltage range	300 ~ 950Vdc
MAX Output current	90A
voltage stabilized accuracy	< ±0.5%
Current stabilized accuracy	≤±1% (output power in 20% ~ 100%)
Mechanic	
Dimension	125mm (H) ×360mm (W) ×490mm (D)
Weight	≤22kg

- separation air duct to protection the electric components from the environmental
- high efficiency to 98.2%
- CAN bus for controlling
- isolation between input and output