

Power Module

60kW



Light Truck

This product is a DC liquid cooling module designed for high power EV charging solution with voltage output range from 250Vdc to 1000Vdc. Adopted by advanced technologies, this product distinguishes itself with high density, high efficiency, and high reliability with wide power ranges and operation temperatures.



Compact & High Efficient

- Wide Power output from 250Vdc~ 1000Vdc
- Compact design with high power density up to 26W/in³
- Super low standby power $\leq 15W$
- Better heat dissipation with advanced liquid cooling technology



Smart & Convenient

- LED design to display module status
- Dual DSP design for full digital control, current and voltage adjustment supported
- CAN communication supported
- Group division supported according software control



Safe & Reliable

- Built-in anti-battery current backfeed protection circuit
- Complete protections & alarm notification



Technical Specification (Power Module)



AC Input	EVC16-DH720K10P12(IN)
Input Voltage	323-530Vac (L1,L2,L3,PE)
Max Input Current	110A
Max Input Power	63kW
Power Factor	>0.99
THD	<3% (Full Load) , <6% (Half Load)
Input Frequency	50/60Hz
Input Under Voltage Protection	260V
Input Over Voltage Protection	530V
Input Power Derating	260V< Vin <340V, Linear power derating from 100%~50%

DC Output	
Rated Output	1000V /60A
Constant Power Voltage Range	60kW(300V-1000V)
Output Voltage Range	200V-1000V
Output Current Range	0-200A
Output Over Voltage Protection	1020V
Output Under Voltage Protection	High Voltage: <400V, Low Voltage: <195V
Short Circuit Protection	Power output will cut off after short circuit for three times and power module need to be repower on.
Voltage Stablized Accuracy	±1%
Current Stablized Accuracy	±1%
Load Sharing	±5%
Max Start-up Overshoot	<5%
Start Time	3~8 S
Efficiency	96.5 Max

General Characteristics	EVC16-DH720K10P12(IN)
Max Number of Parallel Machines	10 PCS
Comminication	CAN
Alarm	CAN bus communication, LED display
Noise Level	<65dB
Cooling	Liquid Cooling
Dimension(W*H*D)	420*582*157 mm
Weight	≤35Kg



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