WHAT IS CLAIMED IS:

1. A valve set integrated module, configured for a thermal management system having a plurality of preset thermal management modes, comprising:

a body (11), provided with a plurality of internal flow channels and a plurality of interfaces configured to communicate the internal flow channels with an external heat exchange assembly of the thermal management system; and

a first electric valve (13) and a second electric valve (14), arranged on the body (11) and configured to communicate parts of the plurality of the internal flow channels to form a plurality of different thermal management circuits, wherein the first electric valve (13) and the second electric valve (14) are configured to switch between an unblocking/blocking function and a throttling-induced pressure reducing function, and wherein the first electric valve (13) and the second electric valve (14) are configured to unblock/block and/or throttle the thermal management circuits to achieve at least one of the plurality of preset thermal management modes.

2. The valve set integrated module according to claim 1, wherein the internal flow channels comprise an inner flow channel and an outer flow channel; the body (11) comprises a first portion (1101) and a second portion (1102); the first portion (1101) has a first connecting surface; the second portion (1102) has a second connecting surface; the first connecting surface is hermetically connected with the second connecting surface; a plurality of inner flow channels are arranged inside the first portion (1101); and at least one groove is arranged on the second connecting surface of the second portion (1102); and the groove on the second connecting surface and the first connecting surface jointly define the outer flow channel.

3. The valve set integrated module according to any of claims 1 and 2, wherein the first electric valve (13) is configured to unblock/block the different thermal management circuits, wherein a first end of the first electric valve (13) is in communication with a compressor interface (11009), and a second end of the first electric valve (13) is selectively communicated with or blocked from an interior heat exchanger inlet interface (11005) or an interior condenser inlet interface (11001); and the second electric valve (14) is configured to throttle the different thermal management circuits, wherein a first end of the second electric valve (14) is in communication with a liquid reservoir outlet interface (11006), and a second end of the second electric valve (14) is selectively throttled an interior evaporator inlet interface (11004) or an exterior heat exchanger inlet interface (11005).

4. The valve set integrated module according to claim 3, further comprising a one-way valve (15) arranged on the body (11), an inlet of the one-way valve (15) being in communication with the exterior heat exchanger inlet interface (11005), and an outlet of the one-way valve (15) being in communication with the second electric valve (14).

5. The valve set integrated module according to any of claims 1 to 4, further comprising a first solenoid valve (16) arranged on the body (11), a first end of the first solenoid valve (16) being in communication with an exterior heat exchanger outlet interface (11008), and a second end of the first solenoid valve (16) being in communication with a gas-liquid separator inlet interface (11003).

6. The valve set integrated module according to claim 1 or 2, wherein the first electric valve (13) is configured to unblock/block and throttle different thermal management circuits, wherein a first

end of the first electric valve (13) is in communication with an interior condenser outlet interface (11010), and a second end of the first electric valve (13) is in communication with an exterior heat exchanger inlet interface (11005); and the second electric valve (14) is configured to unblock/block the different thermal management circuits, wherein a first end of the second electric valve (14) is in communication with an exterior heat exchanger outlet interface (11008), and a second end of the second electric valve (14) is selectively communicated with an interior evaporator inlet interface (11004) or a gas-liquid separator inlet interface (11003).

7. The valve set integrated module according to claim 6, further comprising a first electronic expansion valve (17) arranged on the body (11), a first end of the first electronic expansion valve (17) being in communication with the second electric valve (14); and a second end of the first electronic expansion valve (17) being in communication with the interior evaporator inlet interface (11004).

8. The valve set integrated module according to claim 7, further comprising a second solenoid valve (20) arranged on the body (11), a first end of the second solenoid valve (20) being in communication between the interior condenser outlet interface (11010) and the first electric valve (13) through a pipeline, and a second end of the second solenoid valve (20) being in communication between the second electric valve (14) and the first electronic expansion valve (17) through the pipeline.

9. The valve set integrated module according to any of claims 1 to 4, further comprising a second electronic expansion valve (18) arranged on the body (11), a first end of the second electronic

expansion valve (18) being in communication with an exterior heat exchanger outlet interface (11008), and a second end of the second electronic expansion valve (18) being in communication with a battery pack heat exchanger inlet interface arranged on the body (11).

10. The valve set integrated module according to claim 9, further comprising a battery pack heat exchanger (19) arranged on the body (11), an inlet of the battery pack heat exchanger (19) being in communication with the battery pack heat exchanger inlet interface, and an outlet of the battery pack heat exchanger (19) being connected with a gas-liquid separator (6).

11. A thermal management system, comprising an external heat exchange assembly of the thermal management system and the valve set integrated module according to any of claims 1 to 9, the external heat exchange assembly comprising a plurality of a compressor (2), an interior condenser (3), an exterior heat exchanger (4), an interior evaporator (5), a gas-liquid separator (6), a PTC air heater (7), a blower (8), and a PTC water heater (9).

12. A vehicle, comprising the thermal management system according to claim 11.