WHAT IS CLAIMED IS:

1. A socket, comprising:

a housing;

a plug;

wherein at least one of a slot or a hole positioned on at least one side of the housing;

a clamping conducting strip positioned in the housing; and

at least two elastic conducting contacts positioned on a surface of the plug, wherein the elastic conducting contacts are configured to connect to a power source, and wherein the plug is positioned outside of the housing.

2. The socket of claim 1, further comprising:

a connecting groove positioned on a back side of the housing;

an inner contact point positioned in the connecting groove;

a connector positioned in the plug; and

an external contact point positioned on the connector, wherein the inner contact point is connected to the clamping conducting strip, wherein the external contact point is connected to the elastic conducting contacts, and wherein the connector is configured to be inserted into the connecting groove.

3. The socket of claim 1, further comprising:

a connector positioned on a top of the plug;

a back plate positioned on a back end of the connector; and

a slot positioned on a back side of the housing, wherein the connector is configured to be inserted into the slot to place the back plate in the housing and the plug outside of the housing, and wherein the elastic conducting contacts are configured to be connected to the clamping conducting strip.

4. The socket of claim 1, wherein the plug comprises a connecting conduct strip, wherein a first end of the connecting conduct strip forms an elastic conducting contact, and wherein a second end of the connecting conduct strip is connected to the clamping conducting strip.

5. The socket of claim 1, wherein a surface of the elastic conducting contact is configured in a circular shape or a square shape.

6. The socket of claim 1, wherein the housing is made of polyvinyl chloride (PVC).

7. The socket of claim 1, wherein the plug is made of a mixture of polyamide 66 (PA66) and 30% glass fiber.

8. The socket of claim 1, wherein a cross-sectional area of the elastic conducting contact is within a range of $1.0mm^2$~$3.0mm^2$.

9. A power outlet system, comprising:

a socket, comprising: a housing and a plug, wherein

at least one of a slot or a hole positioned on at least one side of the housing,

a clamping conducting strip positioned in the housing,

at least two elastic conducting contacts positioned on a surface of the plug, wherein the elastic conducting contacts are configured to connect to a power source and wherein the plug is positioned outside the housing; and

a power strip system, comprising:

a power outlet strip, wherein the power outlet strip comprises at least two conductors, and wherein the conductors are connected to the elastic conducting contacts when the plug is configured to be inserted into the power outlet strip.

10. The power outlet system of claim 9, further comprising a strip connector, wherein the strip connector establishes a connection between two or more power outlet strips.

11. The power outlet system of claim 10, wherein the strip connector comprises a connecting joint and a connecting interface.

12. The power outlet system of claim 11, wherein the connecting joint comprises a first conductor, and wherein the connecting interface comprises a second conductor matching the first conductor.

13. The power outlet system of claim 12, wherein the first conductor is a conducting bar and the second conductor is a conducting tube.

14. The power outlet system of claim 11, wherein the connecting joint comprises a first buckle and a first strip connector, and wherein the first buckle and the first strip connector are perpendicularly connected.

15. The power outlet system of claim 14, wherein the first strip connector is connected to the power outlet strip via a third conductor.

16. The power outlet system of claim 15, wherein the third conductor is a conducting bar.

17. The power outlet system of claim 11, wherein the connecting interface comprises a second buckle and a second strip connector, wherein the second strip conductor is positioned on a first end of the second buckle, and wherein a second end of the second buckle and the second strip connector are perpendicularly connected.

18. The power outlet system of claim 17, wherein a first end of the second strip connector comprises a cavity, wherein a forth conductor configured to connect to the power outlet strip is positioned in the cavity, and wherein the second strip connector is connected to the power outlet strip via the cavity.

19. The power outlet system of claim 18, wherein the forth conductor is a conducting bar.

20. The power outlet system of claim 9, wherein a cross-sectional area of the conductor is within a range of 5.0 mm^2 ~ 7.0 mm^2.