

Charging Cabinet Smart PDU Function Description

Models 180542, 180931, 180948



Barcode	Short Name	Smart PDU Parameter	
		Input / Output	Max Power
180542	32 Outlet AC UK	AC100-250V 50-60HZ 12A	3000W
180948	32 Outlet AC EU	AC100-250V 50-60HZ 14.5A	3625W
180931	32 Outlet AC US	120V 60H 14A	1680W

Mechanism

The Smart PDU contains 4 outlets.

Power-On Startup Sequence

- The Smart PDU will turn on outlets by sequence:
Outlet 1 → Outlet 2 → Outlet 3 → Outlet 4.
- Meanwhile, it will run sampling of electronic current of each port every 2 seconds.
- The safety threshold of overall current is set at 14.5A.

Operating Logic

- **If Outlet 1 + Outlet 2 + Outlet 3 + Outlet 4 < Safety Threshold**
All 4 outlets operate simultaneously.
- **If Outlet 1 + Outlet 2 > Safety Threshold**
The Smart PDU will control the output and not provide power to Outlet 3 and Outlet 4.
- **If Outlet 1 + Outlet 2 + Outlet 3 > Safety Threshold**
The Smart PDU will control the output and not provide power to Outlet 4.
- The smart PDU sampling every 2 seconds, so that the change of required power in each outlet will be responded swiftly.