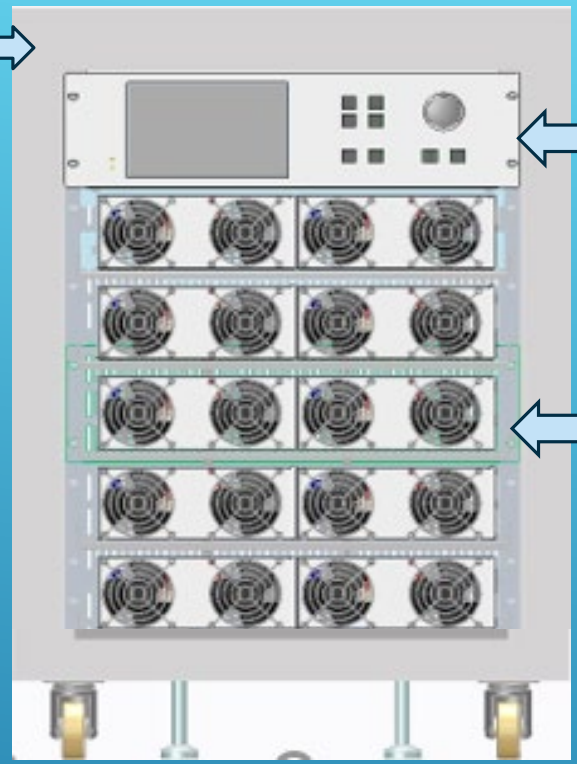


HYDROGEN ENERGY ELECTROLYSIS SYSTEM SOLUTION

- Application : Hydrogen Electrolyzer
- PSU/Model : SHP-30K-380
- System Voltage : 400VDC
- Control Interface : MODBus

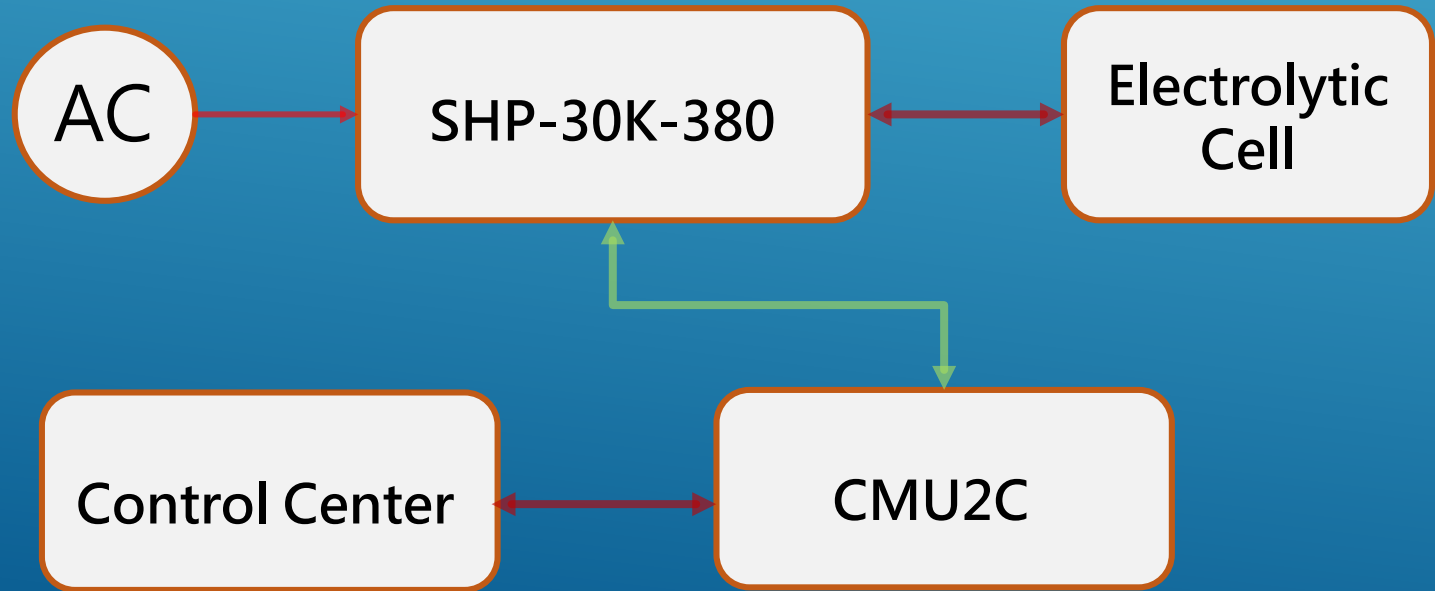
(Monitoring PSU status / Set current)

19" Cabinet



CMU2C

SHP-30K-380

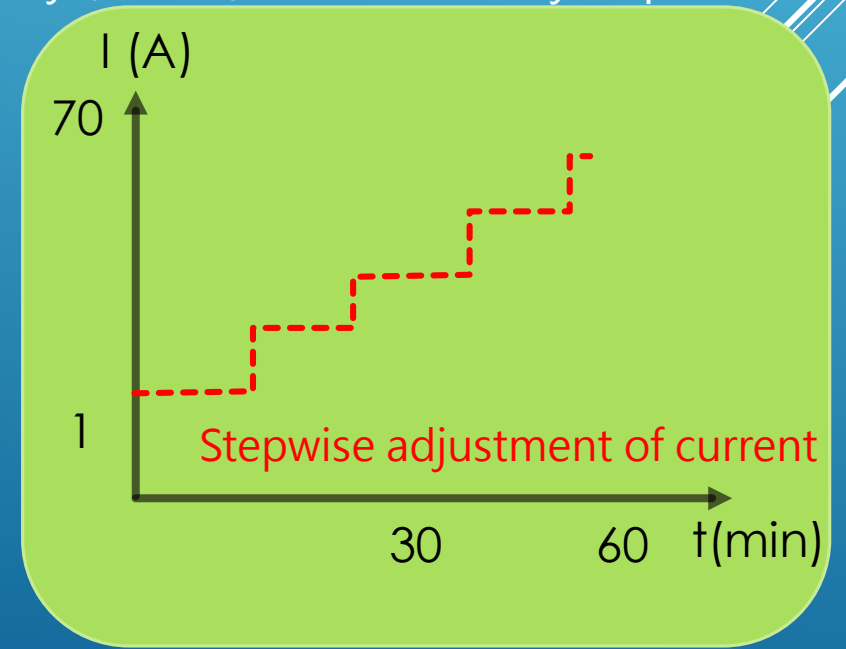
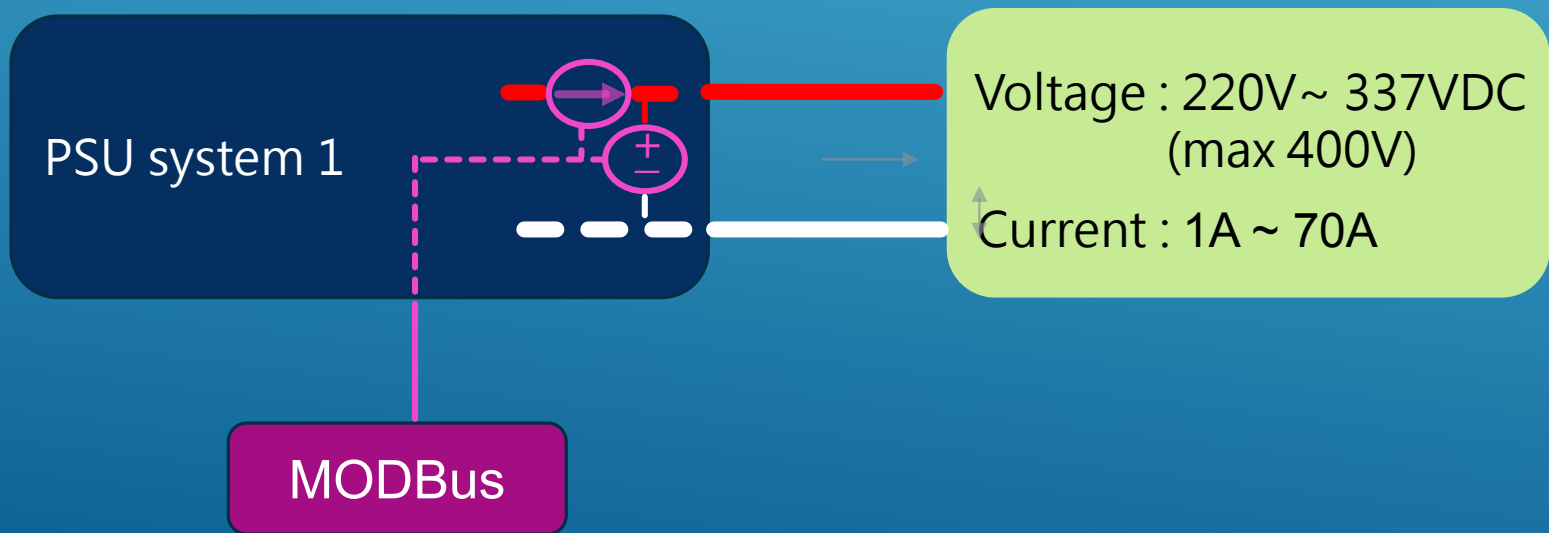


HYDROGEN ENERGY ELECTROLYSIS SYSTEM SOLUTION

Hydrogen electrolysis is a process that turns electrical energy into chemical energy and produces Hydrogen from water.

An important concern is to control the gas generating rate by setting the right current at right time. At start up it is especially important to have a "soft start" procedure. This can be done by increasing the electrolyzing current gradually according to the conditions on each phase. Further, when the electric cell getting aged, a higher voltage would be needed to applied on the cell to produce the same amount of Hydrogen. Thus a voltage room with programmable voltage function is preferred.

Last but not least, for such high power green energy system, efficiency (>97%) is the critically important.



HYDROGEN ENERGY ELECTROLYSIS SYSTEM SOLUTION

Key Features :

- 3-Phase AC input with HVDC output
- Digital Communication with MODBus
- Wide range of programmable current output that can be set by MODBus real-time.
- Monitoring function with extra room on Voltage and Current for emergency backup
- Extremely high efficiency (>97%)
- System integration with PSU + Cabinet + Control Unit
- Scalable with parallel function on PSU

