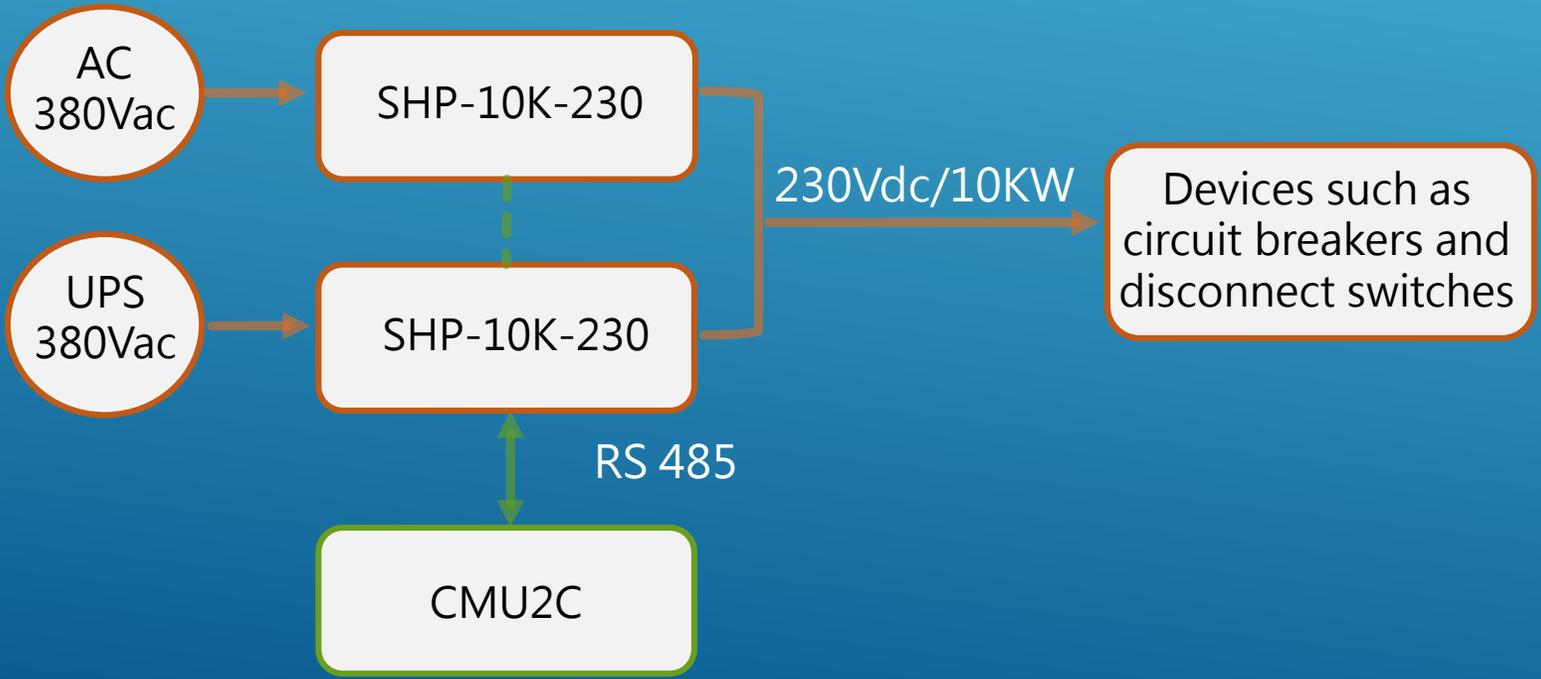


# Data Center – High-voltage DC Power Solution

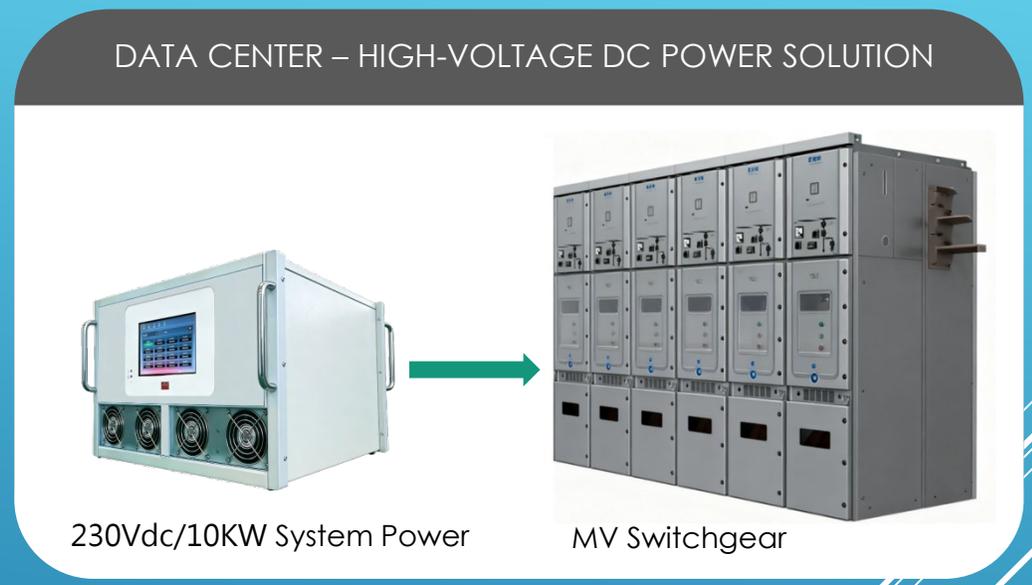
- **Application** : Data Center Cabinet System
- **PSU/Model** : SHP-10K-230
- **Controller** : CMU2C
- **System Voltage** : 230Vdc
- **Control Interface** : RS-485 ( Real-time monitoring )



# Data Center – High-voltage DC Power Solution

MV Switchgear is main equipment in a power system used for power distribution, control, and protection. It is equipped with components such as circuit breakers and disconnect switches. Its primary functions include circuit switching, fault isolation, equipment protection, and grid status monitoring.

This project adopts dual power inputs from three-phase utility power and a UPS system to ensure uninterrupted operation of the data center. Two SHP-10K-230 units are configured in parallel, providing a 230Vdc output to supply power to critical components inside the medium voltage switchgear, such as circuit breakers and disconnect switches. In addition, a CMU2C controller is integrated to enable real-time monitoring of key operating parameters, including voltage and current on both the three-phase input side and the DC output side. If you would like a more engineering-focused version or a proposal-ready formal specification format, I can refine it further.



# Data Center – High-voltage DC Power Solution

## Key Features :

### ■ SHP-10K-230

- 3φ 3-wire 340Vac–530Vac input
- Active current sharing up to 4 units ( 40KW )
- Built-in MODBUS-RTU/RS-485 and enable real-time monitoring



SHP-10K series

### ■ CMU2C-R##

- Available in 19-inch rack-mounted or standalone configurations
- Selectable PMBus, CANBus, RS-485, and RS-232 communication
- Ethernet port for one site or remote monitor and control over the system



CMU2 series