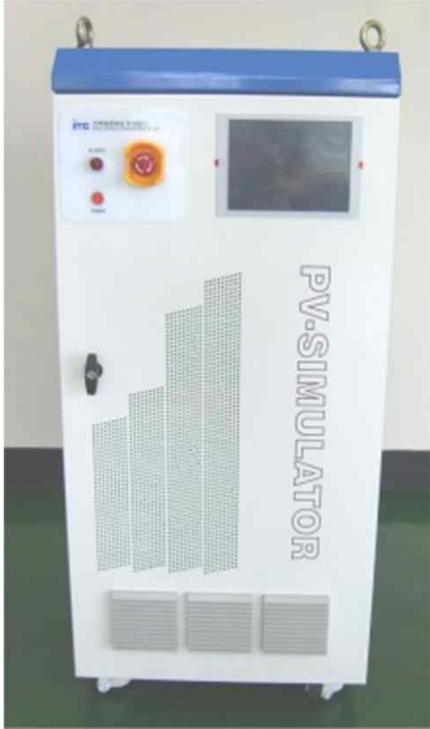


PV Array Simulator



● Specification

- Total Power : 64 kW
- Operation Mode : Constant Voltage Mode / Constant Current Mode / PV Array Mode
- Input Voltage : 380V, 3-Phase 3-Wire, 60Hz
- Output Voltage : 0 ~ 1,000[Vdc]
- Output Current : 0 ~ 40[Adc]
- Parallel Operation Function :
 - 4 Parallel Operation Mode
 - 2 Parallel-2 Independent Operation Mode
- Local MMI : LCD Display, Touch Screen
- Remote MMI
- Cooling Method : Air Cooling
- 10 ~ 100 Mbps Ethernet (TCP/IP)
- Protection Function : Over Voltage, Over Current
- Output Limiting : Voltage, Current Limit

● Operation Mode

- PWM 20kHz PWM interleaving each 90 Degree Phase Difference
- Four Converters 4 parallel operation, or 2 parallel independent operation
- Mode Switch MC using auto-wiring structure
- Output Mode Constant Voltage Mode / Constant Current Mode / Array Mode



● Constant voltage mode

- Output Voltage Setting Range 0 ~ 1,000[Vdc]
- Output Voltage Setting Resolution 0.1V
- Output Voltage Precision < ±0.5[%] within @ Rated Voltage, Rated Load
- Output Voltage Step Response Time < 2ms @ Output Voltage 10% ~ 90%
- Load Regulation < ±0.5% @ Full Load Range

PV Array Simulator

Constant current mode

- | | |
|-------------------------------------|--|
| ➤ Output Current Setting Range | 0 ~ 40[Adc] |
| ➤ Output Current Setting Resolution | 0.1A |
| ➤ Output Current Precision | < ±0.5[%] within @ Rated Voltage, Rated Load |
| ➤ Output Current Step Response Time | < 2ms @ Output Current 10% ~ 90% |
| ➤ Load Regulation | < ±3% @ Full Load Range |

Array mode

- | | |
|-------------------------------------|---|
| ➤ Output Current Setting Range | 0 ~ 40[Adc] @ 2 Parallel |
| ➤ Output Current Setting Resolution | 0.1A |
| ➤ Output Current Step Response Time | < 2ms @ Output Current 10% ~ 90% |
| ➤ I/V Characteristic Curve | Amount of Insolation and Temperature Characteristic Setting Function, Schedule Function |

MMI

- | | |
|-----------------|---|
| ➤ Local MMI | Touch Screen Type LCD Display, Mode Change, Set value change, current operation status display |
| ➤ Remote MMI | Same as Local MMI function, Input of solar cell characteristic curve, Real-time Trend function, Data storage function |
| ➤ Communication | 10 ~ 100 Mbps Ethernet (TCP/IP) |

I/V & Power Graph

