SAMUDRA CIPTA ENGINEERING

Empowering Your Future with Innovative Electrical Solutions

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Data Sheet

Wall Mounting Model

Rack Tipe Model

Model : Active Harmonic Filter
Voltage : 400V
Current Rating : 75A

System Parameters

- **Rated Input Wire Voltage:** 380V (-15% +20%)
- **Grid Frequency:** 50/60Hz (range: 45Hz - 62Hz)
- **Number of Parallel Machines:** 1 ~ 10 sets
- **Overall Efficiency:** 97%
- **Grid Structure:** Three-phase three-wire / Three-phase four-wire
- **Current Transformer:** 150/5, 10000/5
- **Circuit Topology:** Tri-level

Performance Index

- **Rated Capacity:** 75A
- **Filter Range:** 2 * 50 times optional and adjustable
- **Filtering Ability:** THDi ≤ 5%
- **Response Time:** 15ms
- **Control Algorithm:** FFT algorithm, intelligent FFT algorithm, instantaneous reactive algorithm
- **Switching Frequency:** 20kHz
- **Cooling Mode:** Intelligent air cooling
- **Noise Index:** 56dB

Communication Monitoring Ability

- **Communication Interface:** RS485, internet access
- **Communication Protocol:** Modbus Protocol, General Electric Protocol, TCP/IP
- **Display Interface:** 4.3-inch LCD or 7-inch LCD touch color screen; LED indicator light
- **PC-end Software:** Yes, all parameters can be set directly through PC
- **Protection Function:** Overvoltage/undervoltage protection, short circuit protection, inverter bridge reverse protection, and overcompensation protection
- **Fault Alarm:** Yes, up to 256 alarm records
- **Monitoring Mode:** Support centralized monitoring and independent monitoring

Mechanical Characteristics

- **Fixed Mode:** Rack type, wall-mounted type
- **Incoming Line Mode:** Rack-type back-incoming line, wall-mounted user-incoming line
- **Size :** W484mm x H180mm x D655.5mm
- **Net Weight per Module:** 33kg

Environmental Requirements

- **Color:** National Standard 7035-Light Grey (Customizable)
- **Altitude:** ≤1500m, according to the rated capacity; between 1500m and 5000m, according to national standard GB/T 3859.2-2013, for every 1000m increase, the rated capacity is reduced by 1%
- **Operating Temperature:** -25°C to 40°C
- **Relative Humidity:** 5% - 95% no condensation
- **Grade of Protection:** IP20