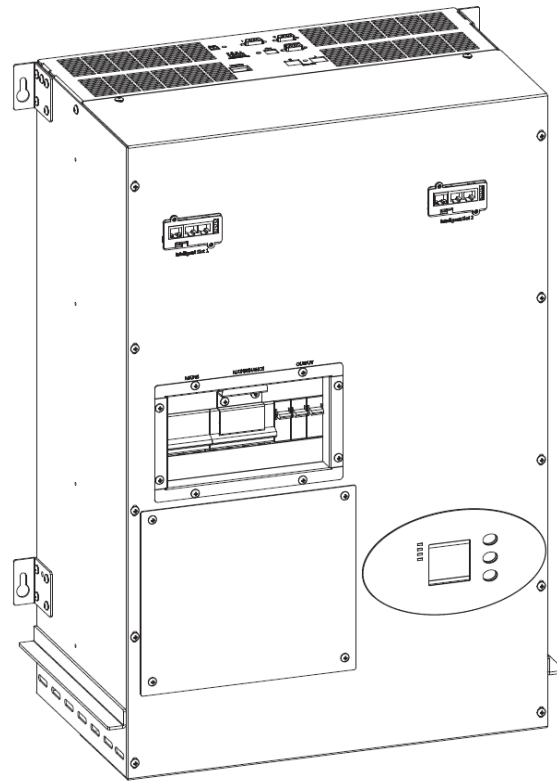
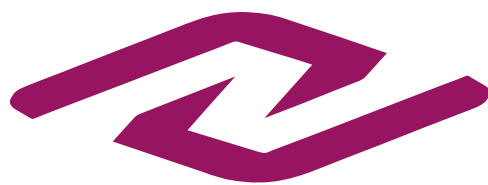


SWITCHBOARD 10KVA
SWITCHBOARD 15KVA
SWITCHBOARD 20KVA
SWITCHBOARD 30KVA
SWITCHBOARD 40KVA



| MODEL | | SWITCHBOARD 10 | SWITCHBOARD 15 | SWITCHBOARD 20 | SWITCHBOARD 30 | SWITCHBOARD 40 | |
|-----------------------------|--|---|--|-------------------|-------------------|--|--|
| Input | Capacity | 10KVA 10KW | 15KVA 15KW | 20KVA 20KW | 30KVA 30KW | 40KVA 40KW | |
| | Phase | 3 Phase 4 Wires and Ground | | | | | |
| | Rated Voltage | 380/400/415Vac | | | | | |
| | Voltage Range | 208~478Vac | | | | | |
| | Frequency Range | 45-55Hz a 50Hz / 56-66Hz a 60Hz (auto sensing) | | | | | |
| | Power Factor | ≥0.99 | | | | | |
| | Current THDi | ≤2%(100% non linear load) | | | | | |
| | Bypass Voltage Range | Max Voltage.: 220Vac:+25% (optional +5%,+10%,+15%) 230Vac:+20% (optional +10%,+15%) 240Vac:+15% (optional +10%) Min. Voltage.: -45% (optional -20%、 -30%) Frequency protection range: ±10% | | | | | |
| | Generator Input | Supported | | | | | |
| Output | Phase | 3 Phase 4 Wires and Ground | | | | | |
| | Rated Voltage | 380/400/415Vac | | | | | |
| | Power Factor | 1.0 | | | | | |
| | Voltage Regulation | ±1% | | | | | |
| | Frequency | Utility Mode | ±1%、 ±2%、 ±4%、 ±5%、 ±10% of the rated frequency (optional) | | | | |
| | | Battery Mode | (50/60±0.1%)Hz | | | | |
| | Crest Factor | 3:1 | | | | | |
| THD | ≤1% with linear load ≤3% with non linear load | | | | | | |
| Efficiency (in normal mode) | | ≥96,5% | ≥97,5% | | | | |
| Battery | Voltage | Standard UPS: ±120Vdc (10+10) 12V 7/9AH Long run backup UPS ±96V/±108V/±120Vdc (16/18/20 pz. optional) | | | | Standard UPS: ±240Vdc (20+20) 12V 7/9AH Long run backup UPS: ±192/±204/±216/±228/±240Vdc (32/34/36/38/40 pz optional) | |
| | Charge Current (A) | Charge current is automatically set in according to the capacity and the quantity of the batteries Standard UPS (20pcs): 1,35A Standard UPS (2X20pcs): 2,7A Standard UPS (3X20pcs): 4,5A Long run backup UPS: max 10A | | | | | |
| | Battery Test | Supported | | | | | |
| Transfer Time | | Utility to Battery: 0ms Utility to bypass: 0ms | | | | | |

| MODEL | | SWITCHBOARD 10 | SWITCHBOARD 15 | SWITCHBOARD 20 | SWITCHBOARD 30 | SWITCHBOARD 40 | |
|-------------------------------------|------------------------------------|---|---|-------------------|-------------------|-------------------|-------------|
| Protection | Overload | AC Mode | Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% change to bypass immediately | | | | |
| | | Battery Mode | Load ≤ 110%: last 10min, ≤ 125%: last 1min, ≤ 150%: last 10s, ≥ 150% shut down UPS immediately | | | | |
| | | Bypass Mode | Breaker 20A | Breaker 32A | Breaker 40A | Breaker 63A | Breaker 80A |
| | Short Circuit | | Involves the whole UPS | | | | |
| | Overheat | | Line Mode: Switch to Bypass, Backup Mode: Shut down UPS immediately | | | | |
| | Battery Low | | Alarm and switch off UPS | | | | |
| | Self-diagnostics | | Upon Power On and Software Control | | | | |
| | EPO (optional) | | Shut down UPS immediately | | | | |
| | Battery | | Advanced Battery Management | | | | |
| Noise Suppression | | Complies with EN62040-2 | | | | | |
| Alarms | Audible & Visual | Line Failure, Battery Low, Overload, System Fault | | | | | |
| Display | Status LED & LCD | Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault | | | | | |
| | Reading on the LCD | Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature etc. | | | | | |
| Communication Interface | | USB, RS485, Parallel (optional), Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional) | | | | | |
| Environment | Operating Temperature | 0°C~40°C | | | | | |
| | Storage Temperature | -25°C~55°C | | | | | |
| | Humidity | 0~95% non condensing | | | | | |
| | Altitude | < 1500m When >1500m lower the rated power for use | | | | | |
| | Noise | < 55dB | | | | < 58dB | |
| Other | Dimensions (D×W×H) | 283x470x705 283x520x705 (included fixing brackets) | | | | | |
| | Weight (Kg) (without batteries) | 47 | 53 | 54 | 60 | 62 | |
| | N° of unit | 1 | | | | | |
| Safety Conformance | | IEC/EN 62040-1, IEC/EN 62040-2, IEC/EN 62040-3, EN60950-1 | | | | | |
| Frequency Converter function | | Yes | | | | | |



Naicon

UNIT



Diloc



Elsist



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