

# EMBEDDED MODULAR UPS

CNME331 10-150KVA

# Embedded Modular UPS

CNME331 10-150KVA

CONSNANT



Frame Mounted  
Design, N+X  
Redundancy



Wide Input  
Voltage Range



DSP Digital  
Control  
Technology



Output Power  
Factor 1



RS485/Dry Contact Card  
SNMP Optional



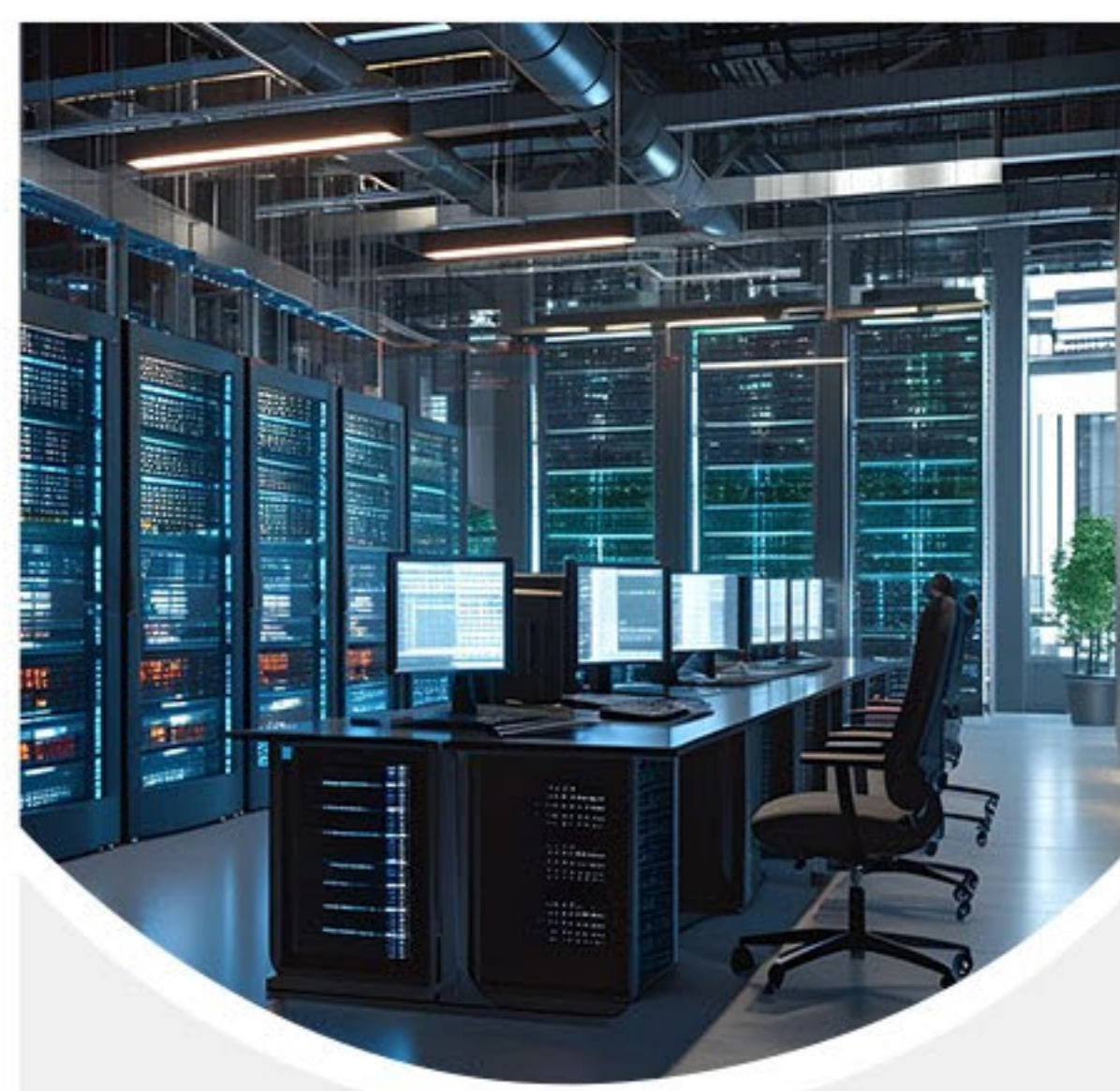
Online Double  
Conversion and  
Three Level Technology



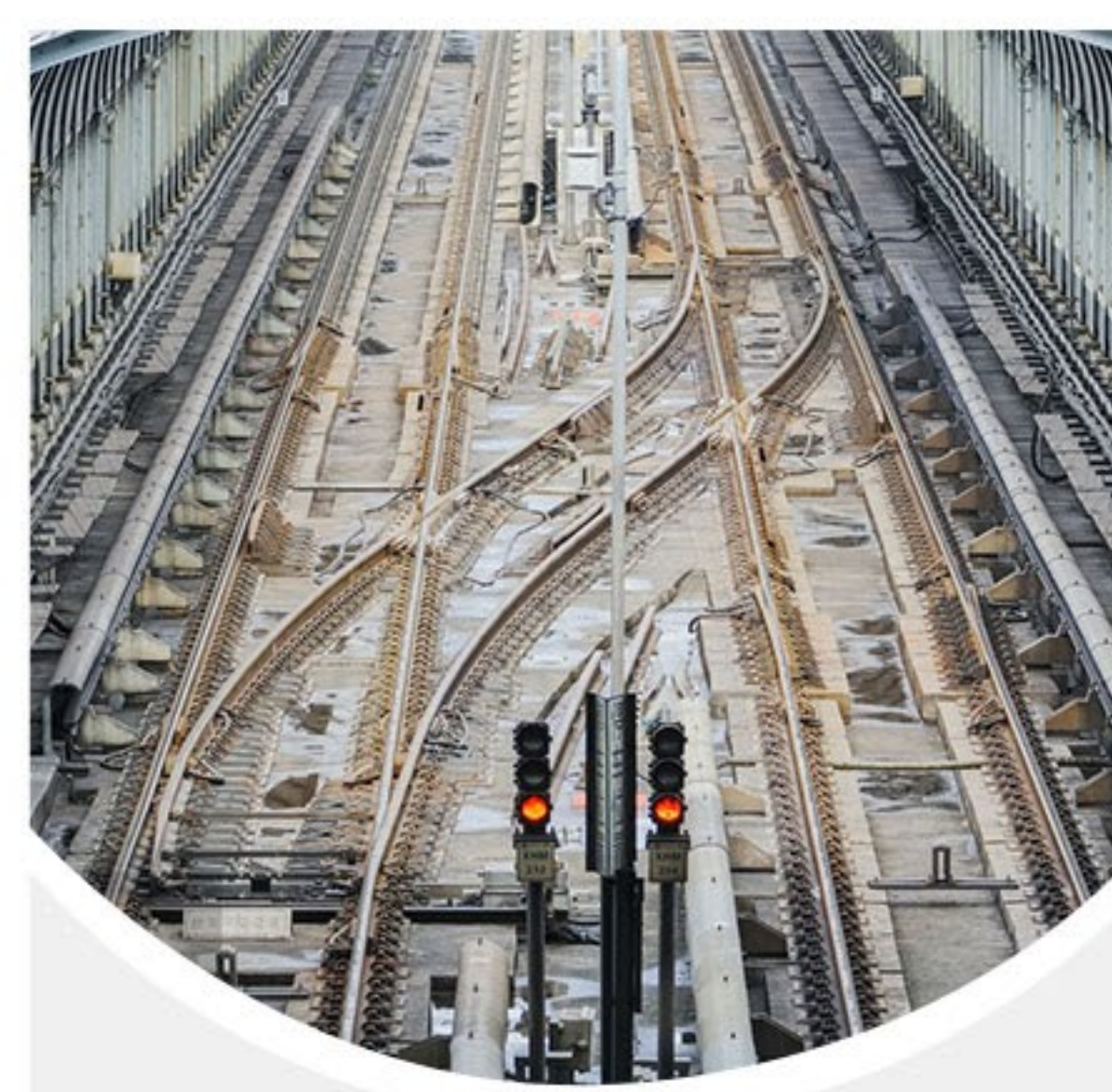
## ■ Application



Data Centers



Small Server Rooms



Transportation



Medical Care

Standard 19 inches network cabinet of computer room, IDC room, integrated comprehensive cabinet, etc.

■ Technical Parameters

| CNME331 10-150KVA            |                                                                                                                                                      |            |             |                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------------|
| Model                        | CNME331 40                                                                                                                                           | CNME331 80 | CNME331 120 | CNME331 150        |
| Capacity                     |                                                                                                                                                      |            |             |                    |
| Frame                        | 10~120KVA                                                                                                                                            |            |             | 25~150KVA          |
| Module                       | 10/15/20KVA                                                                                                                                          |            |             | 25/30KVA           |
| Max. Module Number           | 2/4/6                                                                                                                                                |            |             | 6                  |
| Input                        |                                                                                                                                                      |            |             |                    |
| Phase                        | 3 Phase 4 Wires and Ground                                                                                                                           |            |             |                    |
| Rated Voltage                | 380/400/415Vac                                                                                                                                       |            |             |                    |
| Voltage Range                | 138~485Vac                                                                                                                                           |            |             |                    |
| Frequency Range              | 40Hz-70Hz                                                                                                                                            |            |             |                    |
| Power Factor                 | ≥0.99                                                                                                                                                |            |             |                    |
| Current THDi                 | ≤3% (100% linear load); ≤5% (100% non-linear load);                                                                                                  |            |             |                    |
| Bypass Voltage Range         | Max.Voltage: 220V: +25% (optional+10%,+15%,+20%); 230V: +20% (optional+10%,+15%); 240V: +15% (optional+10%); Min. Voltage: -45% (optional-20%, -30%) |            |             |                    |
| Generator Access             | Yes                                                                                                                                                  |            |             |                    |
| Output                       |                                                                                                                                                      |            |             |                    |
| Phase                        | 3 Phase 4 Wires and Ground                                                                                                                           |            |             |                    |
| Rated Voltage                | 380/400/415Vac                                                                                                                                       |            |             |                    |
| Power Factor                 | 1                                                                                                                                                    |            |             |                    |
| Voltage Regulation           | ±1%                                                                                                                                                  |            |             |                    |
| Frequency Utility Mode       | ±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)                                                                                           |            |             |                    |
| Frequency Battery Mode       | (50/60±0.1%)Hz                                                                                                                                       |            |             |                    |
| Crest Factor                 | 3:1                                                                                                                                                  |            |             |                    |
| THDv                         | ≤2% with linear load; ≤4% with non linear load                                                                                                       |            |             |                    |
| Efficiency                   | 95.5%                                                                                                                                                |            |             |                    |
| Overload                     | ≤110%: to bypass after 60 min,≤125%: to bypass after 10 min, ≤150%: to bypass after 1 min                                                            |            |             |                    |
| Battery                      |                                                                                                                                                      |            |             |                    |
| Voltage                      | ±180V/±192V/±240V/±216V/±228V/±240V/±252V/±264V/±276V/±288V/±300Vdc<br>(30/32/34/36/38/40/42/44/46/48/50pcs optional)                                |            |             |                    |
| Charging Current UPS Cabinet | 2 layer cabinet: 20A Max. 4 layer cabinet: 40A Max. 6 layer cabinet: 60A Max.                                                                        |            |             |                    |
| Charging Current UPS Module  | 5A Max.                                                                                                                                              |            |             | 10A Max.           |
| Transfer Time                | Utility to battery: 0ms; Utility to bypass: 0ms                                                                                                      |            |             |                    |
| Protection                   |                                                                                                                                                      |            |             |                    |
| Alarm                        | Overload, Utility abnormal, UPS fault, Battery low, etc                                                                                              |            |             |                    |
| Protection                   | Short circuit, Overload, Over temperature, Battery low, Fan fault alarm                                                                              |            |             |                    |
| Communication Interface      | USB, CAN, RS485, FE, Parallel card, Dry contact card, SNMP card (optional), LBS (optional), Temperature sensor (optional)                            |            |             |                    |
| Environmen                   |                                                                                                                                                      |            |             |                    |
| Operating Temperature        | 0℃~40℃                                                                                                                                               |            |             |                    |
| Storage Temperature          | -25℃~55℃ (no battery)                                                                                                                                |            |             |                    |
| Humidity                     | 0~95% (non condensing)                                                                                                                               |            |             |                    |
| Altitude                     | <1500m                                                                                                                                               |            |             |                    |
| Noise Level                  | <70dB                                                                                                                                                |            |             |                    |
| Other                        |                                                                                                                                                      |            |             |                    |
| Dimensions(D*W*H)mm          | Frame: 2 layer: 750*485*650 / 4 layer: 750*485*827/ 6 layer: 850*485*1005                                                                            |            |             | Module: 620*440*86 |
| Net Weight (kg)              | Frame: 63/75/87      Module: 10/15/20K:19      35/30K: 21.6                                                                                          |            |             |                    |
| Standards                    | EN62040-1, EN62040-2, EN62040-3                                                                                                                      |            |             |                    |

