

# RML Series In-built Battery Modular Online UPS 12-36kVA (200V/208V/220V)

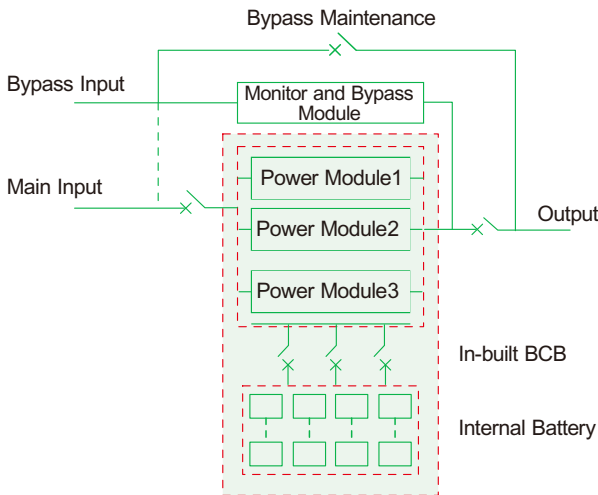
RML036/12B series is modular online UPS with hot-swappable battery. The single cabinet power rating covers from 12kVA to 36kVA which delivers the best of combination of reliability, hot-swappable and flexibility.

With intelligent battery protection and management technology, RML036/12B realises a compact total power solution which is easy for installation, maintenance and power expansion.



## Features

- Modular design with hot-swappable battery package
  - Monitoring system for battery
  - Integrated IGBT module with improved performance and reduced size
  - Easy for installation and maintenance
  - Easy for power expansion and backup time expansion
- Intelligent protection technology for safe and reliable hot-swappable battery package of the system
  - Smart charging management system, Intelligently control the whole process of the charging and discharging , effectively improving the life time of the battery
  - Battery cold start
  - Friendly human machine interface with touch screen



## Specification

|                                   |                 |   |  |
|-----------------------------------|-----------------|---|--|
| MODEL                             |                 | RML036/12B (In-built Battery)                                     |  |
| Capacity                          |                 | 36kVA   |  |
| Power module                      |                 | PML12 (12kVA)   |  |
| INPUT                             |                 |   |  |
| Phase                             |                 | 3 Phase + Neutral + Ground, 200V/208V/220V (line to line)         |  |
| Voltage range                     |                 | -40%-25%  |  |
| Frequency range                   |                 | 40Hz-70Hz   |  |
| Power factor                      |                 | >0.99   |  |
| THDi                              |                 | THDi<3% @100% linear load   |  |
| OUTPUT                            |                 |   |  |
| Voltage regulation                |                 | ±1% for balance load; ±1.5% for unbalance load                    |  |
| THDu                              |                 | THD<1% (linear load), THD<5.5% (non-linear load)                  |  |
| Power factor                      |                 | 0.8   |  |
| Crest factor                      |                 | 3:1   |  |
| Overload capability               |                 | 110% for 1 hour; 125% for 10 min; 150% for 1 min; >150% for 200ms |  |
| BATTERY                           |                 |   |  |
| Voltage                           |                 | ±120VDC   |  |
| Charge power                      |                 | 20%*System Power  |  |
| Charge power precision            |                 | ±1%   |  |
| SYSTEM                            |                 |   |  |
| System efficiency                 |                 | Normal mode:>92%; ECO mode:>98%; Battery mode:>92%                |  |
| Display                           |                 | LCD+LED, Touch Screen +Keyboard                                   |  |
| IP class                          |                 | IP20  |  |
| Interface<br>(Communication port) |                 | Standard: RS232, RS485, Dry contacts;<br>Optional: SNMP           |  |
| Installation/Connection           |                 | Top or bottom cable connection                                    |  |
| Operation/Storage<br>temperature  |                 | 0-40°C/-40-70°C   |  |
| Relative humidity                 |                 | 0-95% (non-condensing)  |  |
| Noise                             |                 | 55dB (1 meter away)   |  |
| PHYSICAL                          |                 |   |  |
| Weight (kg)                       | Cabinet         | 205   |  |
|                                   | Power Module    | 22  |  |
|                                   | Battery package | 10 (without battery)  |  |
| Dimension<br>(W*D*H)<br>(mm)      | Cabinet         | 600*1020*2000   |  |
|                                   | Power Module    | 440*590*134   |  |
|                                   | Battery package | 120*824*177   |  |