

20-60kVA (380V/400V/415V)
WTHD RM Series In-built Battery Modular
Online UPS

Product description:

RM060/20B series are modular online UPS with hot-swappable battery. The single cabinet power rating covers from 20kVA to 60kVA which delivers the best of combination of reliability,hotswappable and flexibility.

With intelligent battery protection and management technology, RM060/20B realises a compact total power solution which is easy for installation, maintenance and power expansion



Product characteristics:

- ⚡ Modular design with swappable battery package
- ⚡ Monitor 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

Product Specifications

| | | | |
|-----------------------|----------------------|--|---|
| MODEL | | RM060/20B | |
| System Capacity | | 60kVA | |
| Power Module Capacity | | 20kVA/18kW | |
| Input | Phase | 3 Phase+Neutral+Ground, 380V/400V/415V(line-line) | |
| | Voltage Range | 304~478Vac (line-line),full load;228V~304Vac (line-line) , load decreases linearly according to the min phase voltage | |
| | Rate Frequency | 50/60Hz (Frequency Range : 40Hz ~ 70Hz) | |
| | Input PF | >0.99 | |
| | Input THDi | <3% (100% Linear load) | |
| Bypass | Rate Voltage | 380/400/415Vac (line-line) (Settable , -40% ~ +25%) | |
| | Rate Frequency | 50/60Hz (Settable, ±1Hz, ±3Hz, ±5Hz) | |
| | Bypass Overload | 125% long term operation ; 130% for 1 hour; 150% for 6 mins ; 1000% for 100ms | |
| Output | Rate Voltage | 380/400/415Vac (line-line) | |
| | Voltage Regulation | 1% for balance load ; 1.5% for unbalance load | |
| | Rate Frequency | 50/60Hz±0.1% | |
| | Output PF | 0.9 | |
| | Output THDu | <1% , Linear load ; <5.5%, Non-linear load | |
| | Crest Factor | 3:01 | |
| | Inverter Overload | 110% for 1 hour; 125% for 10 mins ; 150% for 1 min ; >150% for 200 ms | |
| Battery | Voltage | ±240Vdc | |
| | Battery Number | 40pcs (Settable: even number from 32 to 44) | |
| | Charge Power | up to 20% * Output active power | |
| System | Efficiency | AC Mode | 95% |
| | | ECO Mode | 99% |
| | | Battery Mode | 95% |
| | Display | 5.7" touch screen LCD + LED + keyboard | |
| | IP Class | IP20 | |
| | Interface | RS232, RS485, Programmable Dry Contact | |
| | Option | SNMP Card, Parallel kit , SPD, LBS, Dust filter | |
| | Temperature | Operation : 0 ~ 40 °C, Storage : -40 ~ 70 °C | |
| | Relative Humidity | 0 ~ 95% Non-condensing | |
| | Altitude | <1000m. Within 1000m to 2000m, 1% power derating for every 100m rise | |
| | Noise (1 meter) | 55dB @ 50% load | |
| | Applicable Standards | Safety: IEC/EN 62040-1, EMC: IEC/EN 62040-2, Performance : IEC/EN 62040-3 | |
| Physical | Weight (kg) | Cabinet | Cabinet : 205kg, Power module : 22kg, Battery package: 10kg (without battery) |
| | | Power module | 600*1020*2000 |
| | Dimension | Cabinet | 440*590*134 |
| | | Power module | 120*824*177 |