

48VDC 150kW (N+1) Power System Module:RTC048403942U(HE)

AC Distribution:

Input Voltage: 400VAC (Three phase);
 Input Voltage Range: 90-300V (reduced power below 175V)
 Input Circuit breaker: 400A X 5 Large current terminal;
 Frequency Range: 45 ~ 65Hz;
 Power Factor: ≥ 0.99 (20%- 100% load);
 Efficiency: $>95.2\%$ peak @ 220VAC;
 C Surge protection: $I_n = 20kA$ (8/20us), $I_{max} = 40kA$ (8/20us);
 Module Rectifier control circuit breaker: 32A/1P X 39;

DC Distribution:

Nominal Output Voltage: -48VDC;
 Output Voltage Range: -42- -58VDC;
 Max.Output Current: 2925A;
 Output Power: 156kW;
 Battery breaker: 1600A X 4 Fuses;
 Load: 630A X 4, 400A X 8, 250A X 6, 160A X 2 Fuses;
 Shunt: 3000A/75mV x 1;
 BLVD: 1500A/48V x 2 ;

Modular Rectifier: R840H * 39;

Supervisory Module: SM16A * 1;

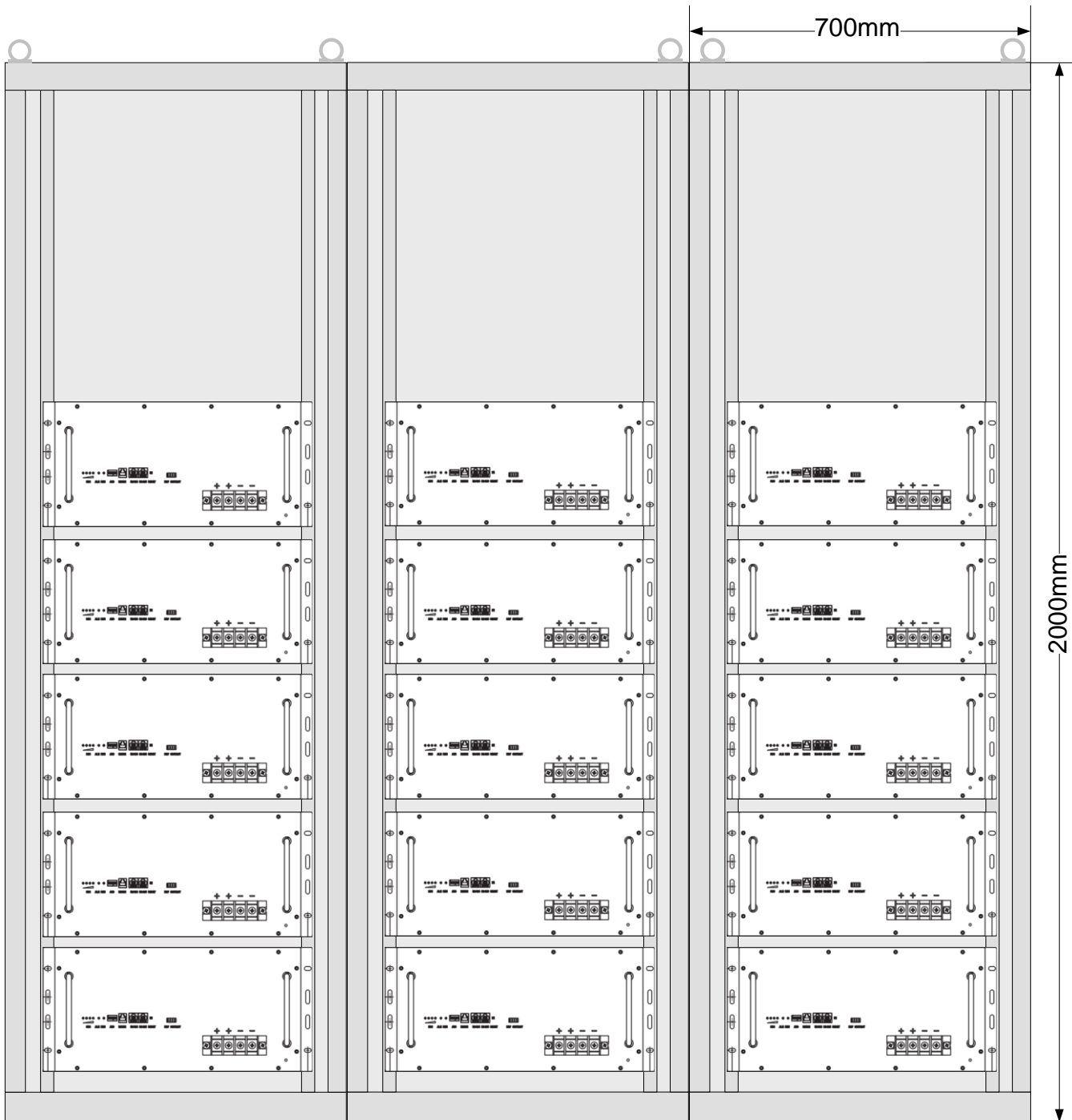
Temperature sensor 8m x 1;

Environmental

Operating Temperature:-25 to +65°C
 (maximum output power is derated above 55°C);
 Humidity: 5-95%RH(Non-Condensing);

System Cabinet:

Door: Cabinet shall be front and rear accessible(With mesh door);
 Degree of protection: IP 20 ;
 2 x Dimensions,W,H,D: 600mm,2000mm(42U),600mm;



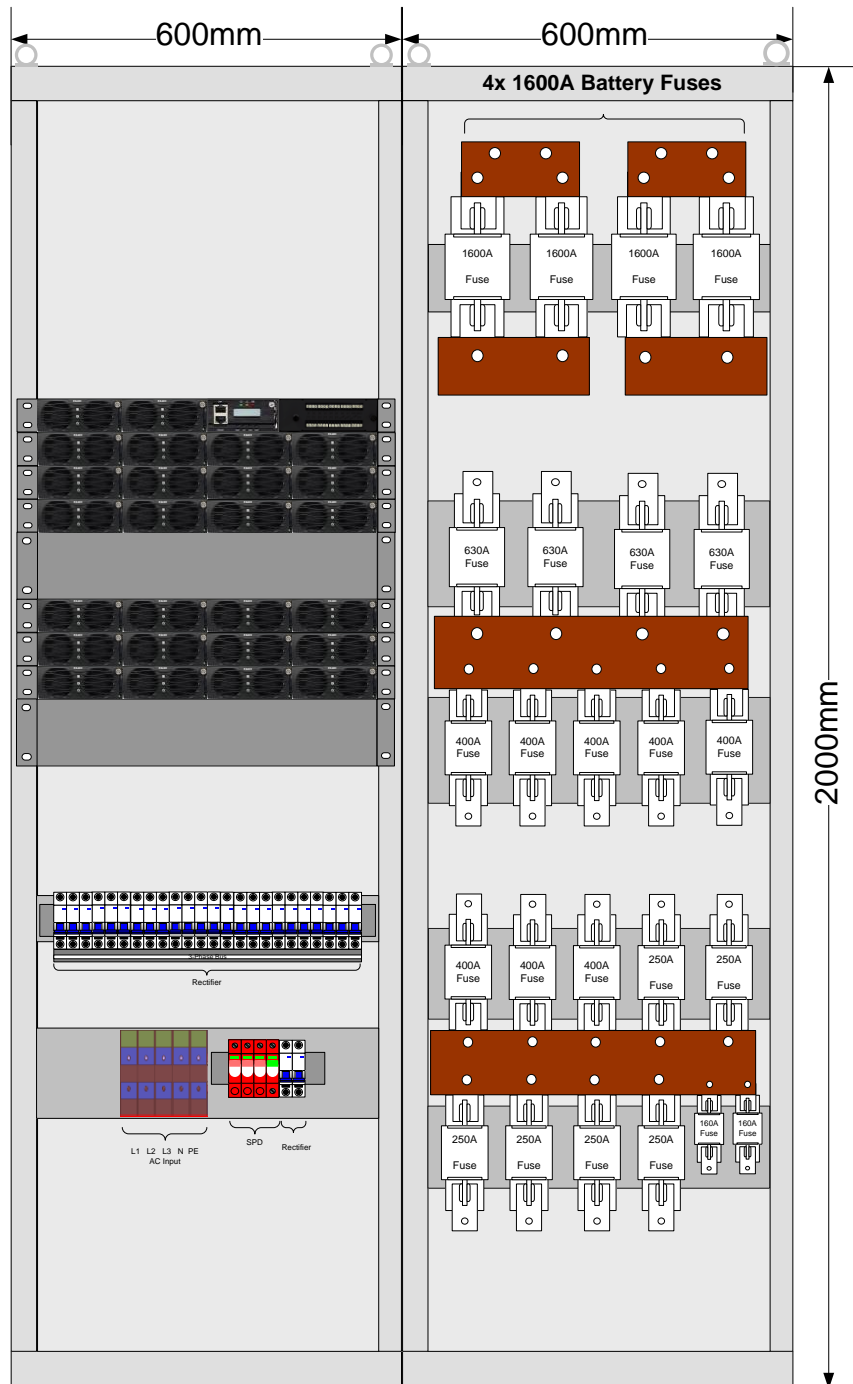
3000Ah/48V lithium-ion battery system

Battery:

48V 200Ah lithium-ion battery system * 15 * 1;
Dimensions:440mm(W) * 222mm(H) * 570mm(D);
Reference Weight: 81Kg;

Cabinet

Door: Cabinet shall be front and rear accessible
(With mesh door);
Degree of protection: IP 20 ;
3 * Dimensions:600mm(W) * 2000mm(H) * 800mm(D).



48VDC 100kW(N+1) Power System Module:RTC048402642U(HE)

AC Distribution:

Input Voltage: 400VAC (Three phase);
 Input Voltage Range: 90-300V (reduced power below 175V)
 Input Circuit breaker: 400A X 5 Large current terminal;
 Frequency Range: 45 ~ 65Hz;
 Power Factor: ≥ 0.99 (20%- 100% load);
 Efficiency: $>95.2\%$ peak @ 220VAC;
 C Surge protection: $I_n = 20kA(8/20\mu s)$, $I_{max} = 40kA(8/20\mu s)$;
 Module Rectifier control circuit breaker: 32A/1P X 26;

DC Distribution:

Nominal Output Voltage: -48VDC;
 Output Voltage Range: -42- -58VDC;
 Max.Output Current: 1950A;
 Output Power: 104kW;
 Battery breaker: 1600A X 4 Fuses;
 Load: 630A X 4, 400A X 8, 250A X 6, 160A X 2 Fuses;
 Shunt: 3000A/75mV x 1;
 BLVD: 1500A/48V x 2 ;

Modular Rectifier: R840H * 26;

Supervisory Module: SM16A * 1;

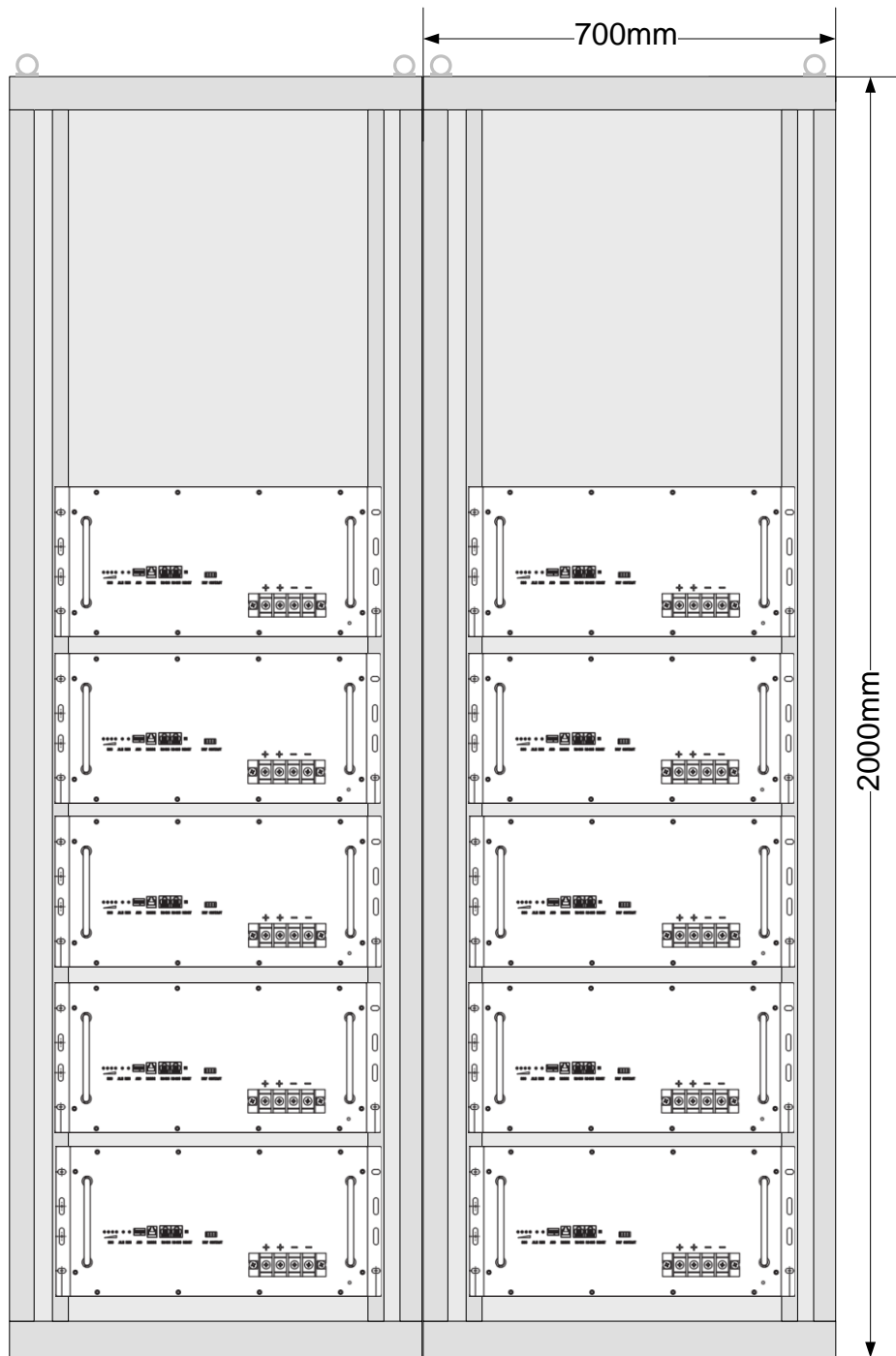
Temperature sensor 8m x 1;

Environmental

Operating Temperature:-25 to +65°C
 (maximum output power is derated above 55°C);
 Humidity: 5-95%RH(Non-Condensing);

System Cabinet:

Door: Cabinet shall be front and rear accessible(With mesh door);
 Degree of protection: IP 20 ;
 2 x Dimensions,W,H,D: 600mm,2000mm(42U),600mm;



2000Ah/48V lithium-ion battery system

Battery:

48V 200Ah lithium-ion battery system * 10 * 1;

Dimensions:440mm(W) * 222mm(H) * 570mm(D);

Reference Weight: 81Kg;

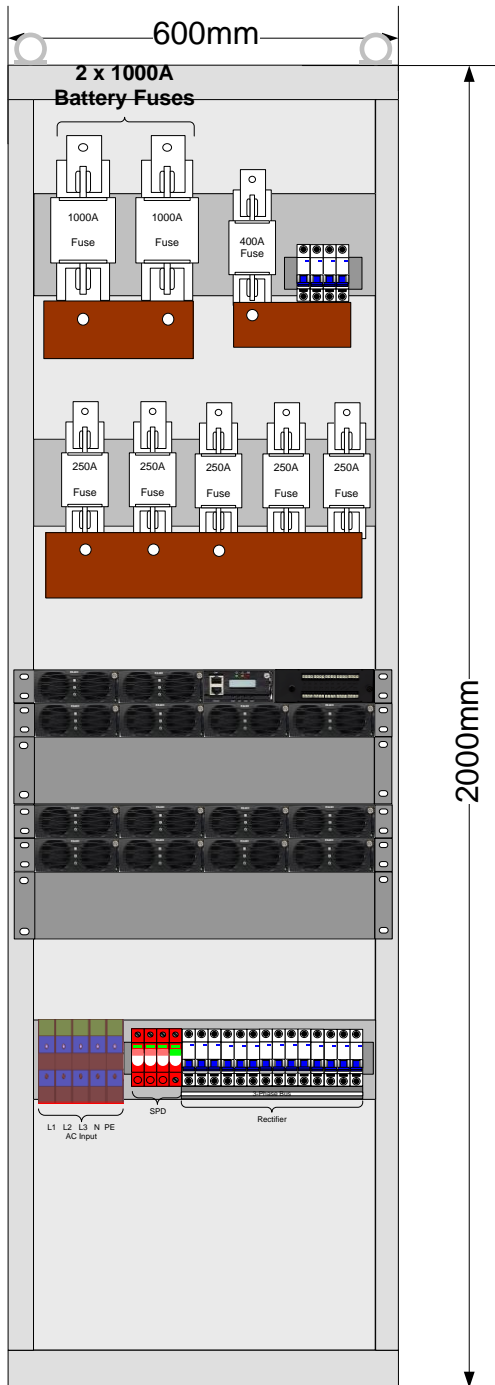
Cabinet

Door: Cabinet shall be front and rear accessible

(With mesh door);

Degree of protection: IP 20 ;

2 * Dimensions:600mm(W) * 2000mm(H) * 800mm(D).



48VDC 50kW(N+1) Power System

Module:RTC048401442U(HE)

AC Distribution:

Input Voltage: 400VAC (Three phase);
 Input Voltage Range: 90-300V (reduced power below 175V);
 Input Circuit breaker: 200A X 5 Large current terminal;
 Frequency Range: 45 ~ 65Hz;
 Power Factor: ≥ 0.99 (20%-100% load);
 Efficiency: $>95.2\%$ peak @ 220VAC;
 C Surge protection: $I_n = 20kA(8/20\mu s)$, $I_{max} = 40kA(8/20\mu s)$;
 Module Rectifier control circuit breaker: 32A/1P X 14;

DC Distribution:

Nominal Output Voltage: -48VDC;
 Output Voltage Range: -42- -58VDC;
 Output Current: 1050A;
 Maximum Output Power: 56KW;
 Battery breaker: 1000A X 2 Fuses;
 Load: 400A X 1, 250A X 5 Fuses, 63A/1P X 4 MCBs;
 Shunt: 1000A/75mV x 1;
 BLVD: 1000A/48V x 1 ;

Modular Rectifier: R840H * 12;

Supervisory Module: SM16A * 1;

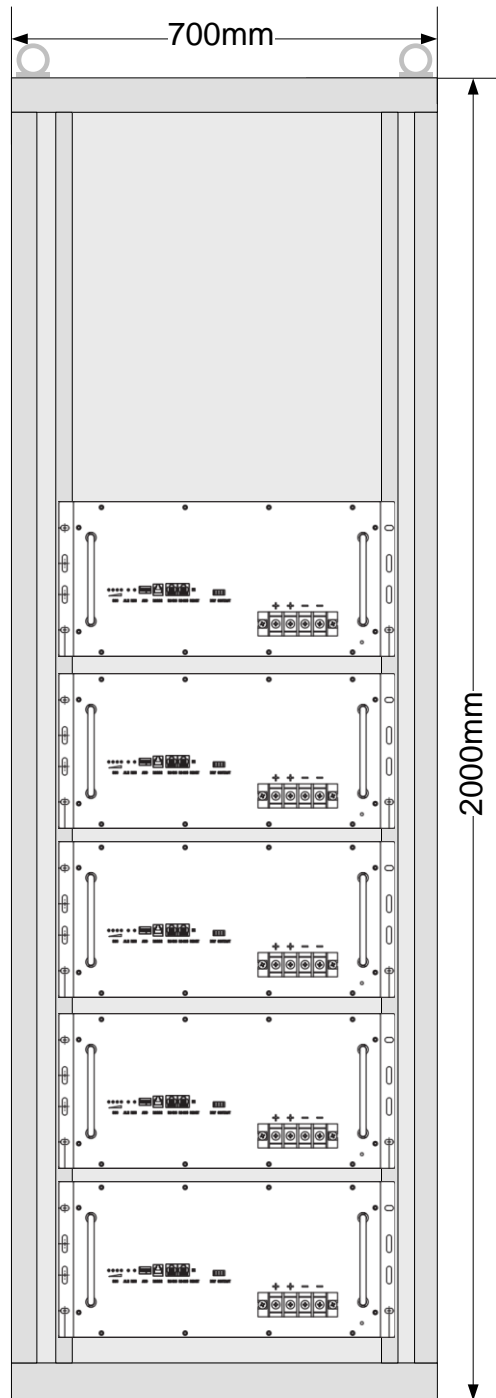
Temperature sensor 8m x 1;

Environmental

Operating Temperature: -25 to +65°C (maximum output power is derated above 55°C);
 Humidity: 5-95%RH(Non-Condensing);

System Cabinet:

Door: Cabinet shall be front and rear accessible(With mesh door);
 Degree of protection: IP 20 ;
 Dimensions,W,H,D: 600mm,2000mm(42U),600mm;



1000Ah/48V lithium-ion battery system

Battery:

48V 200Ah lithium-ion battery system * 5 * 1;
Dimensions:440mm(W) * 222mm(H) * 570mm(D);
Reference Weight: 81Kg;

Cabinet

Door: Cabinet shall be front and rear accessible
(With mesh door);
Degree of protection: IP 20 ;
Dimensions:600mm(W) * 2000mm(H) * 800mm(D).