Smart Microgrid Energy System Solution

EMS | BMS | Energy Storage | Control | NTS | Dispatch | EMI
STS | 10<S | Power Control | SVG |Compensation | Voltage Regulation

Friendly and flexible
- 2-in-1 design: Built-ininverter+ battery in stackable units.
- Smart synergy: Auto-load balancing for off-grid use.
- Minimal setup: Reduced cabling for quick deployment.

Safe and reliable
- High operational reliability
- BMS battery protection
- In line with the RoHS

Intelligent and efficient
- Larger capacity supply equipment cabinet
- No active cooling system is required
- They live for more than 10 years at +25°C

Rich configuration
- Easy to transport and integrate
- High quality battery cells
- WiFi remote monitoring

Intelligent Efficiency for a Sustainable Future

GEYA ELECTRICAL

NEW ENERGY SUPPORTING COMPONENTS

ONE IN ONE | DC MCB | RCD | DC MCCB | DC SPD | ATS |FUSE
PV connector | Combiner box | Photovoltaic cable |
Photovoltaic DC isolation switch | Solar panel | Power quality

ZHEJIANG GEYA ELECTRICAL CO.LTD.

ADD:Wenzhou Bridge Industrial Zone,Beibaixiang Town,Yueqing,Zhejiang,China 325603
Tel:0086-577-62926966
E-mail:sale@cngeya.com
Tel:0086-13567770207
Web:www.geya.net

Note: Geya Electric reserves the right to make technical changes or modifications to the content of this document without prior notice. For purchase orders, the agreed details shall prevail. Geya Electric shall not be responsible for any errors or missing information that may exist in this document.

GYM10 DC
DC MCB

Rated Current (In): 6-63A
Rated Voltage (Ue): 1P: 250VDC; 2P: 500VDC; 3P: 750VDC; 4P: 1000VDC
Instantaneous Tripping Characteristic: Ii=8.5In (Type C), Ii=12In (Type D)
Breaking Capacity: 4.5kA
Number of Poles: 1P, 2P, 3P, 4P
Mechanical Endurance: 20000 times
Rated Insulation Voltage (Ui): 500V
Rated Impulse Withstand Voltage (Uimp): 4kV

GYM9H-DC
DC MCB

Rated Current (In): 1~63A
Rated Voltage (Ue): 1P: 250VDC; 2P: 500VDC; 3P: 750VDC; 4P: 1000VDC
Tripping Curve: B, C
Breaking Capacity: 6kA
Number of Poles: 1P/2P/3P/4P
Mechanical Endurance: 20000 times
Electrical Endurance: 4000 times

GYM9H-125DC
DC MCB

Rated Current (In) : 63、80、100、125;
Rated Voltage (Ue) : 1P:250VDC;2P:500VDC;3P:750VDC;4P:1000VDC;
Working Frequency：50/60Hz;
Tripping Curves：Ii=6In(B),Ii=8.5In(C),Ii=12In(D);
Rated ultimate shortcircuit breaking capacity(Icu)：6000A;
Rated making short-circuit breaking capacity (Ics)：6000A;
Poles：1P、2P、3P、4P
Mechanical Life：10000 time
rated impulse withstand voltage (Uimp)： 4kV

GYM9H-Z
MCB

Rated Current (In): 1~63A
Rated Voltage (Ue):
1P: 230/400VAC, 150VDC;2P: 230/400VAC, 300VDC;3P: 230/400VAC, 450VDC;4P: 230/400VAC, 600VDC
Tripping Curve: B, C, D
Breaking Capacity: 6kA
Number of Poles: 1P/2P/3P/4P
Mechanical Endurance: 20000 times
Electrical Endurance: 10000 times

GYH8-63DC
Isolating Switch

Rated Current (In): 16~63A
Rated Voltage (Ue): 1P: 300VDC; 2P: 600VDC; 3P: 900VDC; 4P: 1200VDC
Rated Insulation Voltage (Ui): 1200V
Rated Impulse Withstand Voltage (Uimp): 6kV
Rated Short-Time Withstand Current (Icw): 12Ie, Energization Time 1s
Rated Short-Circuit Making Capacity (Icm): 20Ie, Energization Time 0.1s
Tripping Curve: B, C, D
Breaking Capacity: 6kA
Number of Poles: 1P, 2P, 3P, 4P
Mechanical Endurance: 20000 times
Electrical Endurance: 1500 times

GYM9H-63-ZW
DC MCB

Rated Current (In): 1~63A
Rated Voltage (Ue):
1P: 300VDC; 2P: 600VDC;
3P: 900VDC; 4P: 1200VDC
Rated Insulation Voltage (Ui): 1200V
Tripping Curve: B, C, D
Breaking Capacity: 6kA, 10kA
Number of Poles: 1P, 2P, 3P, 4P
Mechanical Endurance: 20000 times
Electrical Endurance: 1500 times

GYM9H-125-ZW
DC MCB

Rated Current (In): 63, 80, 100, 125A
Rated Voltage (Ue):
1P: 250VDC; 2P: 500VDC;
3P: 750VDC; 4P: 1000VDC
Rated Insulation Voltage (Ui): 1000V
Tripping Curve: B, C, D
Breaking Capacity: 10kA
Number of Poles: 1P, 2P, 3P, 4P
Mechanical Endurance: 20000 times
Electrical Endurance: 1500 times

GYL9 A+EV
RCD

Rated Current (In): 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A
Rated Voltage (Un): 230/400V, 400/415V
Rated Insulation Voltage (Ui): 500V
Rated Impulse Withstand Voltage (Uimp): 4kV
Rated Residual Operating Current (I △n): 0.03A, 0.1A, 0.3A
Number of Poles: 1P+N, 3P+N
Rated Limited Short-Circuit Current (Inc): 6000A, 10000A
Rated Limited Residual Short-Circuit Current (I△c): 6000A, 10000A
Mechanical Endurance: 10000 times

GYL9 B
RCD

Rated voltage (Un): 230/400V, 400/415V
Rated current (In): 16A, 20A, 25A, 32A, 40A 50A、63A、80A、100A
Rated insulation voltage (Ui): 500V
Rated impulse withstand voltage (Uimp): 4kV
Rated residual operating current (I △n): 0.03A, 0.1A, 0.3A
Polar numbers: 1P+N, 3P+N
Rated limiting short-circuit current (Inc): 6000A, 10000A
Rated limit residual short-circuit current (I △c): 6000A, 10000A
Mechanical lifespan: 10000 cycles
Electrical lifespan: 4000 cycles

GYR9NE
RCBO

Rated voltage (Un): 230/400V, 400/415V
Rated current (In): 16A, 20A, 25A, 32A, 40A 50A、63A、80A、100A
Rated insulation voltage (Ui): 500V
Rated impulse withstand voltage (Uimp): 4kV
Rated residual operating current (I △n): 0.03A, 0.1A, 0.3A
Polar numbers: 1P+N, 3P+N
Rated limiting short-circuit current (Inc): 6000A, 10000A
Rated limit residual short-circuit current (I △c): 6000A, 10000A
Mechanical lifespan: 10000 cycles
Electrical lifespan: 4000 cycles

GYR9NE-ARC
AFDD

Rated voltage (Un): 230/400V
Rated current (In): 6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated insulation voltage (Ui): 500V
Rated impulse withstand voltage (Uimp): 4kV
Rated residual operating current (I △n): 0.03A, 0.1A, 0.3A
Polar ：1P+N
Type: AC type, A type
Rated limiting short-circuit current (Inc): 6000A

GRD9L
Auto Recloser

Power terminal: A1-A2
Rated power supply voltage: DC12V, DC24V-48V
Power consumption: DC max.1W (standby) max.20W (active)
Voltage fluctuation range: -10%; +10%
Rated power supply voltage: AC 220V (50-60Hz)
Power consumption: DC max.1W (standby) max.20W (active)

GRD9L-R
Auto Recloser

Control mode: automatic reclosing+output alarm
Power terminal: A1-A2
Rated power supply voltage: DC12V, DC24V-48V
Power consumption: DC max.1W (standby) max.20W (active)
Rated power supply voltage: AC 220V (50-60Hz)
Power consumption: DC max.1W (standby) max.20W (active)

GRD9L-W
Auto Recloser

Control method: WIFI graffiti app
Power terminal: A1-A2
Voltage fluctuation range: -10%; +10%
Rated power supply voltage: AC 220V (50-60Hz)
Power consumption: AC max.1W (standby) max.20W (active)
Can be matched with circuit breakers/leakage protection switches, automatically reclosing when the circuit breaker/leakage protection switch accidentally trips, promptly troubleshooting and improving efficiency.

GYHC
Contactor

Rated working current (Ie): 16A, 20A, 25A, 32A, 40A, 63A, 100A
Rated working current (Ue): 250 (1P/2P); 400(3P/4P)
Polar numbers: 1P, 2P, 3P, 4P
Rated insulation voltage (Ui): 500V
Rated impulse withstand voltage (Uimp): 4kW
Rated working voltage: 250 (1P/2P); 400(3P/4P)
Compliant with standards: IEC 61095, IEC 60947-1, GB/T 17885, GB/T 14048.1

GLC1
Contactor

Rated working current (Ie): 9~95A
Rated working voltage (Ue): 380V
Contact type: 1NO; 1NC; 1NO1NC
Coil voltage: AC: 24V/36V/110V/220V/380V; DC:24/110/220V
The all-new GLC1 series AC contactor adopts a new generation technology platform and applies automated production and testing equipment to create stable and reliable high-quality contactors.

G2R
ATS

Rated Current (In): 6~63A
Rated Operating Voltage (Ue): AC110V/220V/230V/380V/400V
Rated Insulation Voltage (Ui): 690V
Rated Impulse Withstand Voltage (Uimp): 8kV
Number of Poles: 2P/4P
Mechanical Endurance: 4000 times
Electrical Endurance: 1500 times

W2R
ATS

Rated Current (In): 16~63A
Rated Operating Voltage (Ue): AC110V/220V/230V/380V/400V
Rated Insulation Voltage (Ui): 690V
Rated Impulse Withstand Voltage (Uimp): 8kV
Number of Poles: 2P/3P/4P
Mechanical Endurance: 5000 times
Electrical Endurance: 2000 times

GRD9S
WIFI MCB

The GRD9S IoT circuit breaker is mainly applicable to AC circuits with a rated frequency of 50Hz, rated voltage up to 440V, rated current up to 100A, and short-circuit current up to 10kA. It supports remote control and manual closing/opening, and integrates multiple functions including over-temperature protection, over/under voltage protection, over-power protection, electric energy measurement, overload protection, short-circuit protection, earth fault protection and leakage protection.

GWS9
WIFI MCB

GWS9 Smart WIFI Circuit Breaker is suitable for circuits with a rated working voltage range of 90～240V and a rated current up to 40A. It can real-time monitor the voltage, current, power, temperature and other parameters of the circuit, and has metering function, remote control, timing control, prepayment as well as over/under voltage, overload, over temperature and over power protection functions.
It is applicable to various places such as industry, commerce, high-rises and civil residences.
Remote control operation can be performed via mobile phone/Tuya APP.

GSP10-C40PV
DC SPD

Maximum Continuous Operating Voltage: 600/1000/1500/2000VDC
Nominal Discharge Current (T2): 20kA
Maximum Discharge Current: 40kA
Voltage Protection Level: 3.0/3.5/5.5/6.5kV
Rated Short-Circuit Current: 500A
Continuous Operating Current of Power Supply: 0.2mA
Connection Method: Parallel

GYPV-1038
DC FUSE

Rated Voltage: 1000V DC
Rated Current: 32A max
Maximum Power Consumption: 6W
Connection and Installation Wire: 1.5-10mm²
Terminal Screw: M5
Torque: ≥3Nm
Protection Level: IP20

GYPV-63T
DC FUSE

Executive Standard: IEC60947-3, GB/T14048.3
Usage Category: DC-PV0
Rated Voltage: 1500V DC
Maximum Operating Current: 35A max or 50A max
Maximum Power Consumption: 16W
Enclosure Feature: UL94V-0 Flame Retardant and Glow Wire 960°C

GYPV-1038
Fuse core

Standard: IEC60269-6, UL248-19, GB/T13539.6Rated Voltage: 1000V DCRated Current: 1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A, 12A, 15A, 16A, 20A, 25A, 30A, 32ABreaking Capacity: 33kAStructure: Cylindrical with forced arc extinguishing characteristics

GDSC120R
Photovoltaic DC isolation switch

Arc extinguishing time 2ms
Suitable for power systems with a rated voltage of DC1200V and below, and a rated current of 32A and below. The product can be used for infrequent connection and disconnection, serving to isolate and disconnect lines, and can simultaneously disconnect 1-4 MPPT lines. Suitable for isolated lines in DC transmission and distribution systems.

GYM7DC
DC MCCB

The GYM7DC series DC plastic shell circuit breaker (hereinafter referred to as the circuit breaker) has a rated working voltage of up to DC1500V, a rated insulation voltage of 1500V, a rated impulse withstand voltage of up to 12kV, and a rated current of 10A~630A.
This circuit breaker product complies with the following standards:
IEC 60947-1 and GB/T 14048.1 General Provisions
IEC 60947-2 and GB/T 14048.2 Low voltage circuit breakers.

GCPV-TA01
PV Connector

Rated Current: 30A or 50A
Rated Voltage: 1000V DC (IEC / UL)
Ambient Temperature Range: -40°C ~ +90°C
Protection Degree: IP67, IP2X
Contact Resistance of Plug Connector: 0.5mΩ
Contact Material: Red copper, tin-plated
Connection Type: Embedded mounting
Flame Retardant Grade: UL94-HB / UL94-V0
Cable Cross-section: 2.5~6mm²

GPV-66DG
Solar Panel

Bifaciality Factor: 80±5%
Cell Type: N-type ABC
Glass: Double-layer glass, 2.0+2.0mm coated semi-tempered glass
Frame: Anodized aluminum alloy
Cable: 4mm²(IEC) 12AWG(UL), length - 200mm/+1400mm with 400mm extension or customized length
Cell Quantity: 132 (6×22)
Junction Box: IP68 protection degree, equipped with 3 bypass diodes

GYHT2
Photovoltaic connection box

Rated voltage (Un): 500V (DC version)/600V (ZW version)
Rated current (In): 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated insulation voltage (Ui): 500V (DC version)/600V (ZW version)
Rated impulse withstand voltage: 4kV
Polar number: 2P
Breaking capacity: 4500A (DC model)/6000A (ZW model)
Tightening torque: 2.0N. m
Protection level: Circuit breaker: IP20; Outer box: IP65
Release curve: B, C, D
Mechanical lifespan: 20000 cycles
Electrical lifespan: 4000 cycles

GRM3
AC/DC MCCB

GRM3HU Series AC Molded Case Circuit Breaker, with a rated working voltage up to AC1140V and a current up to 800A.
The breaking capacity of GRM3HU Series AC Molded Case Circuit Breaker is as high as 50kA at AC800V, which can reliably realize system short-circuit protection.
GRM3DC Series DC Molded Case Circuit Breaker, with a rated working voltage up to DC1500V and a current up to 800A.
The breaking capacity of GRM3DC Series DC Molded Case Circuit Breaker is as high as 20kA at DC1500V, which can reliably realize system short-circuit protection.

GYPV
Combiner box

Equipped with a DC safety ribbon, DC surge protection device, Equipped with DC circuit breaker or DC load isolation switch.
Strong adaptability

GQXL
Solar PV Extension Cable

Conductor cross-sectional area：4/6/10mm²