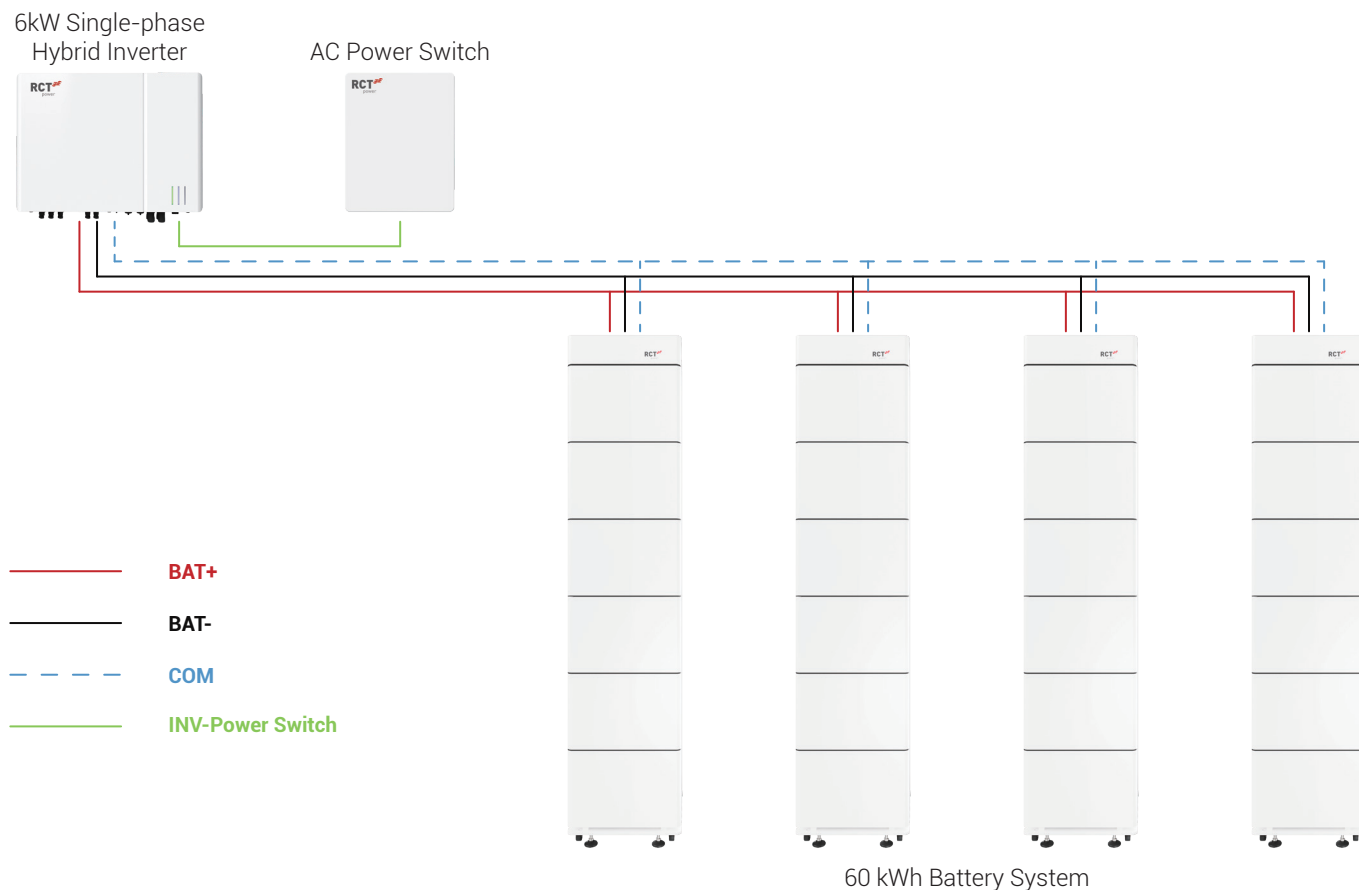


6KW / 60KWH RESS DIAGRAM



SEAMLESS POWER SUPPLY

- Millisecond-level switching technology
- Automatically activates energy storage during outages ensuring uninterrupted power for critical loads

INTELLIGENT ENERGY MANAGEMENT

- Smart coordination among three energy sources: solar, battery, and grid
- Automatically manages load priority based on battery level

24/7 GREEN ENERGY

- Daytime: Solar power
→ Household consumption + Battery charging
- Night/Cloudy days: Battery power
→ Household electricity supply
- During outages: Battery power
→ Critical load protection

INTEGRATED SAFETY PROTECTION

- Deep compatibility with original factory equipment
- IP65 protection rating, 10-year warranty
- Simplified installation reduces maintenance costs

USER VALUE

- Energy Independence: Reduces reliance on the grid, enhances energy autonomy
- Cost Savings: Maximizes self-consumption of green energy, lowers electricity bills
- Peace of Mind: Sudden outages do not disrupt daily life
- Smart Convenience: Fully automated operation, no manual intervention required

INVERTER

Model	RHS-6K-H
Rated AC Input/Output Power [W]	6,000
Max. Recommended PV Power [W]	12,000
Number of MPPT Trackers	3
MPPT Operating Voltage Range [V]	90 - 580
Max. PV Input Current per MPPT [A]	16
Max. PV Short-circuit Current per MPPT [A]	20
Max. PV Input Voltage [V]	600
Max. Charge / Discharge Power [W]	11,000 / 6,000
Max. Charge / Discharge Current [A]	25 / 25
Rated Grid Frequency [Hz]	50
Rated AC Voltage	230 V, L/N/PE
Start-up Voltage [V]	120
Degree of Protection	IP 65
Max. Operating Altitude [m]	4000
Type of Installation	Wall-mounting bracket
Safety	IEC62109 - 1&2
Grid support regulation	EN 50549-1, EN 50549-10, RD 647/UNE 217001/UNE 217002/NTS 631 Type A, G99, CEI 0-21, AS/NZS4777.2
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29

BATTERY SYSTEM

Expandable System Capacity	5kWh - 60kWh		
Model	Power Battery 10.0	Power Battery 12.5	Power Battery 15.0
Nominal Capacity [kWh]	10	12.5	15
Nominal Voltage [V]	307	384	461
Maximum Charge/Discharge Current [A]	25 / 25		
Number of Battery Units	4	5	6
Allowed Number of Paralled Battery Clusters	1 - 4		
Dimensions (H×W×D) [mm]	1,053 × 347 × 345	1,208 × 347 × 345	1,507 × 347 × 345
Weight [kg]	109	134	159
Degree of Protection	IP 65		
Safety	UL1973, UL60730-1, UL9540A, IEC60730, IEC62040		
Certificates	UN 38.3, UL1973, UL60730-1, UL9540A, IEC 62619, IEC63056		
EMC	FCC Part 15B, ICES-003, IEC 61000-6-1&-6-3		

★Note:

Note: 20kWh consists of 2 clusters of 10kWh systems;

25kWh consists of 2 clusters of 12.5kWh systems;

30kWh consists of 2 clusters of 15kWh systems.

POWER SWITCH

Model	RAL8.0K-230G2
Grid connection	Single phase
AC OUT Rated Voltage (On Grid) [V]	230
AC OUT Voltage Range (On Grid) [V]	184 - 265
AC OUT Rated Voltage (Back Up) [V]	230
AC OUT Rated Apparent Power (Back Up) [VA]	6,000
AC OUT Rated Output Current (Back Up) [A]	26.1
Switch over time	< 2s
IP-Class	IP 65
Standards	IEC/EN 61439-1/2

RHS - 6K - H

6k Single-Phase Hybrid Inverter

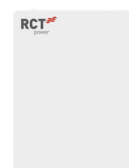
Rated AC Input/Output Power [kW]	6
Rated AC Voltage	230V, L/N/PE
MPPT Operating Voltage Range [V]	90 - 580
Max. Efficiency	98.00%
Operating Temperature Range [°C]	-25 - +60 (Derating above +45°C)
Dimensions (W×H×D) [mm]	605 × 445 × 165
Weight [kg]	22
Applicable Scenarios	Household Use & Commercial & Small Business



RAL 8.0K - 230G2

6kW Single-Phase Power Switch Box

Rated Voltage [V]	230
AC Frequency [Hz]	50
Operating Temperature Range [°C]	-25 - +60
Type of Installation	Wall mounting
Dimensions (W×H×D)	450 × 350 × 110
Weight [kg]	6.2



Power Battery 10.0 / 12.5 / 15.0

10 / 12.5 / 15 kWh Power Battery System

Battery Type	LiFePO ₄
Cycle Life	6000
Operating Temperature Range [°C]	-18 - 55
Type of Installation	Floor stand/indoor/outdoor
Standby Consumption	< 5W

*Note:

The accompanying cables are shipped with the battery pack; separate orders are available for replacement in case of damage.



DC Positive Power Cable

Part Number:3EE021448



DC Negative Power Cable

Part Number:3EE021447



Communication Cable

Part Number:3EE02735



APC035SD03P-AU1

(Sold Separately)

Rated Voltage	1000 V
Rated Current	35 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP 67
Flame Class	UL94-V0
Length	300 mm



APC035SD03N-AU1

(Sold Separately)

Rated Voltage	1000 V
Rated Current	35 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP 67
Flame Class	UL94-V0
Length	300 mm



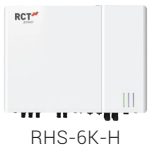
ASC000SD03C-AU1

(Sold Separately)

Connector	RJ45
Temperature Range	-40°C ~ +105°C
Length	325 mm
Flame retardant according to IEC 60332-1	



ADAPTER CONFIGURATION INSTRUCTIONS



No. of battery clusters



1 Cluster



2 Cluster



3 Cluster



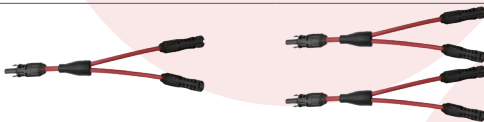
4 Cluster

Connection terminal

Positive
P/N: 3EE021818

/

/



Negative
P/N: 3EE021817

/

/



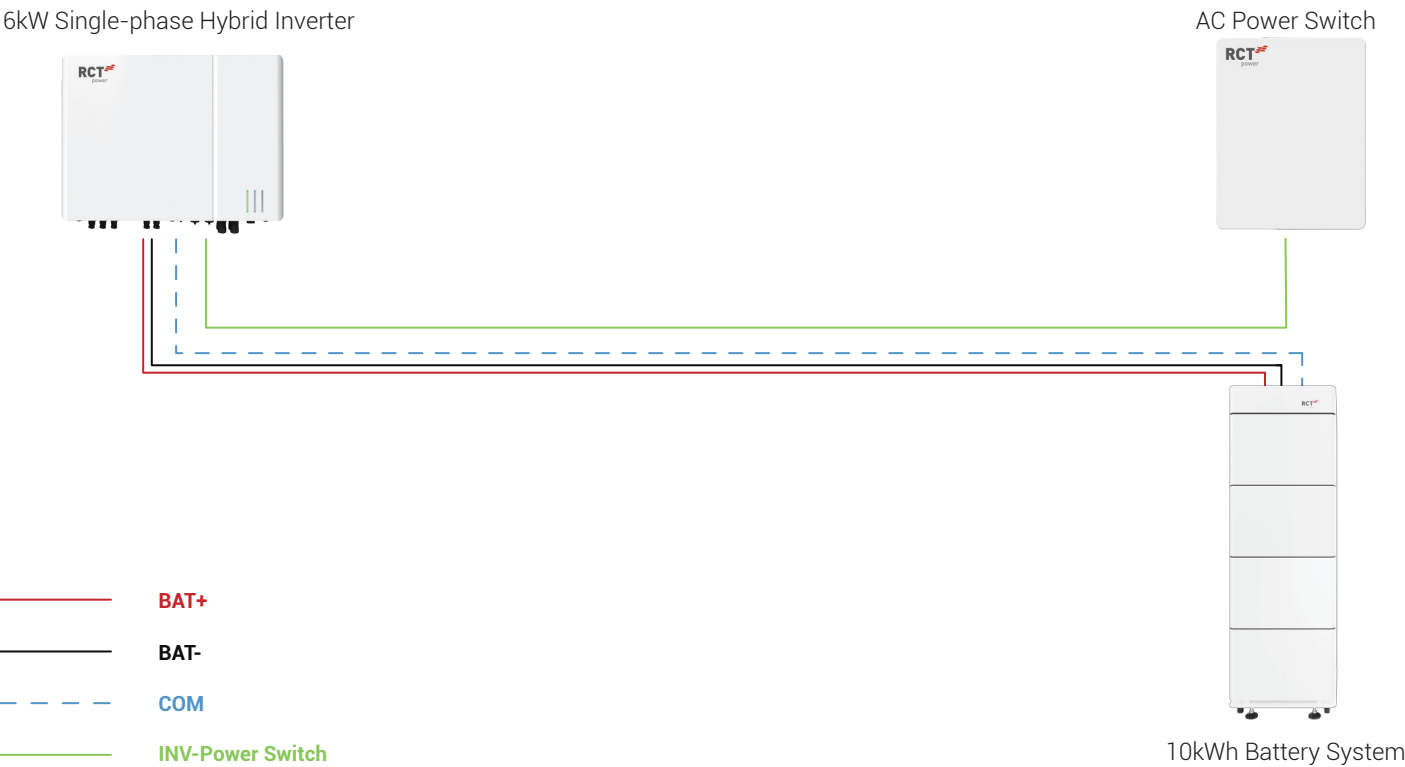
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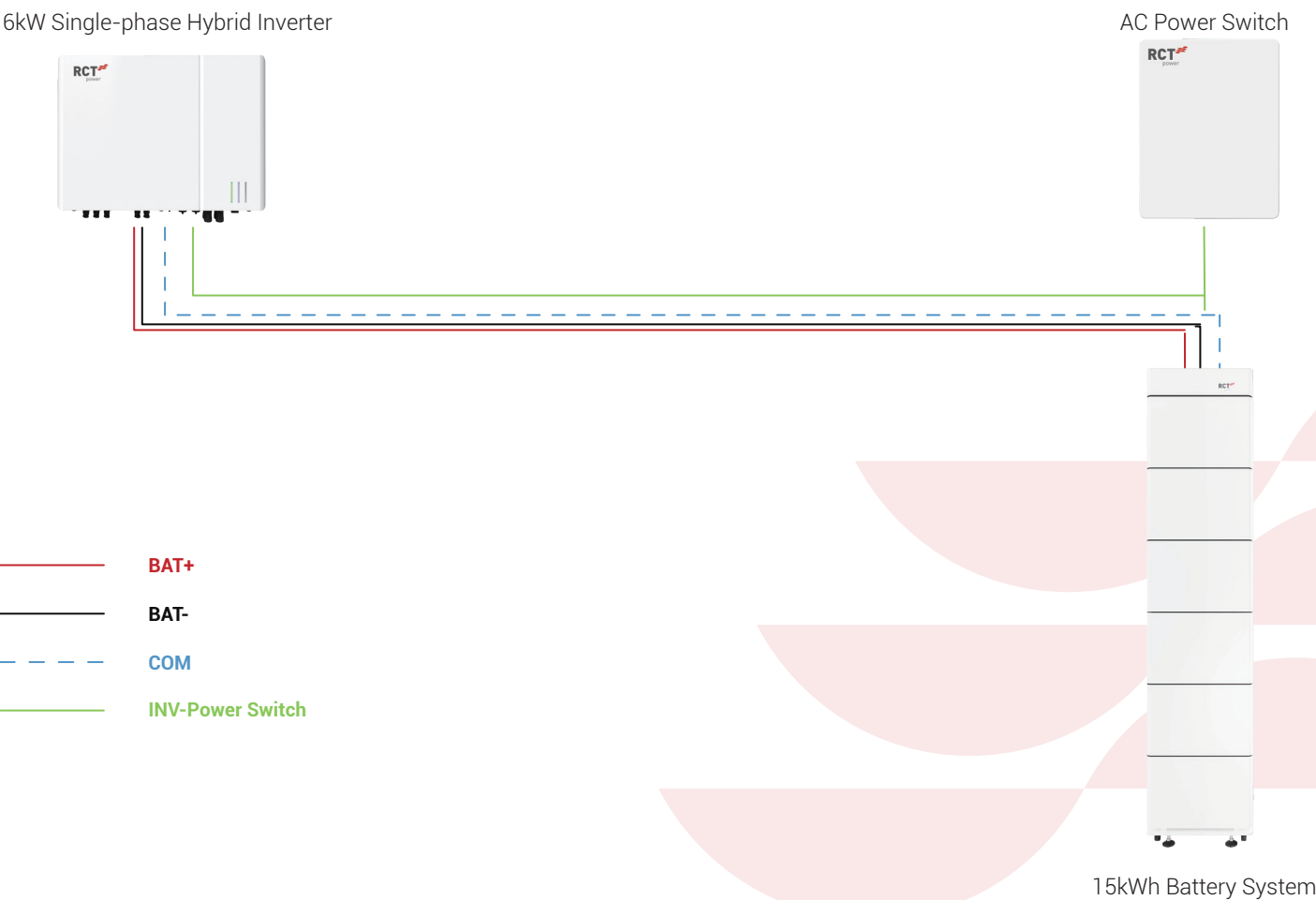
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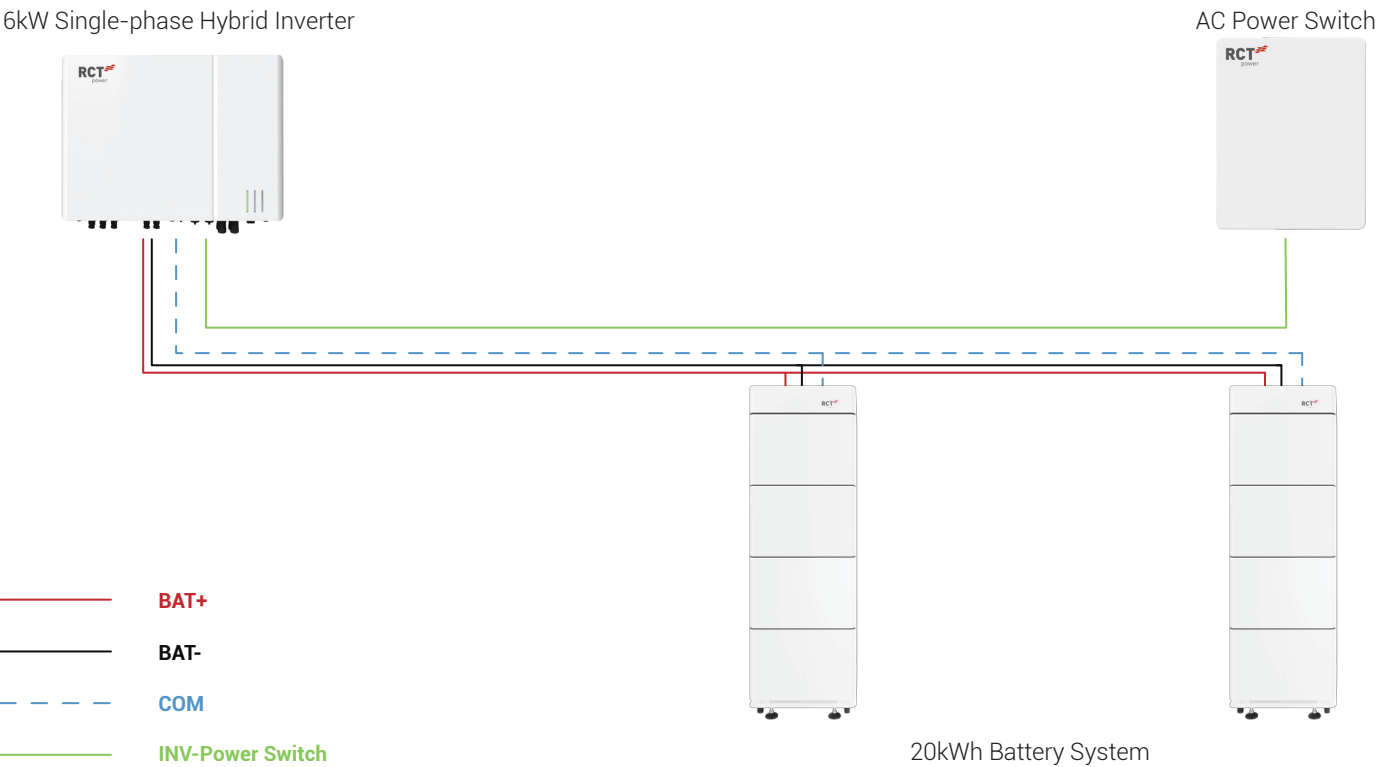
6KW/10KWH RESS DIAGRAM



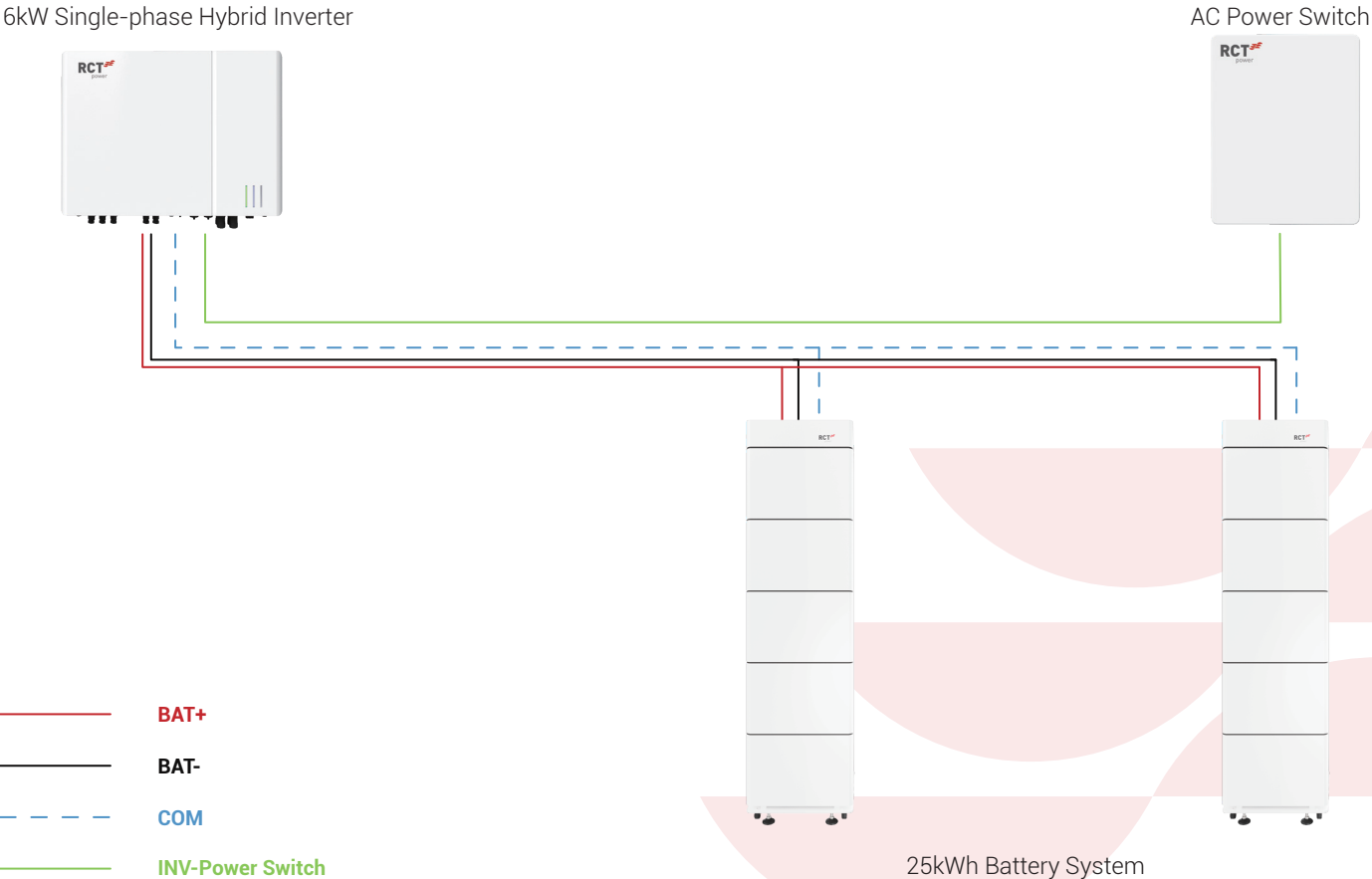
6KW/15KWH RESS DIAGRAM



6KW/20KWH RESS DIAGRAM



6KW/25KWH RESS DIAGRAM



6KW/30KWH RESS DIAGRAM

6kW Single-phase Hybrid Inverter

AC Power Switch

