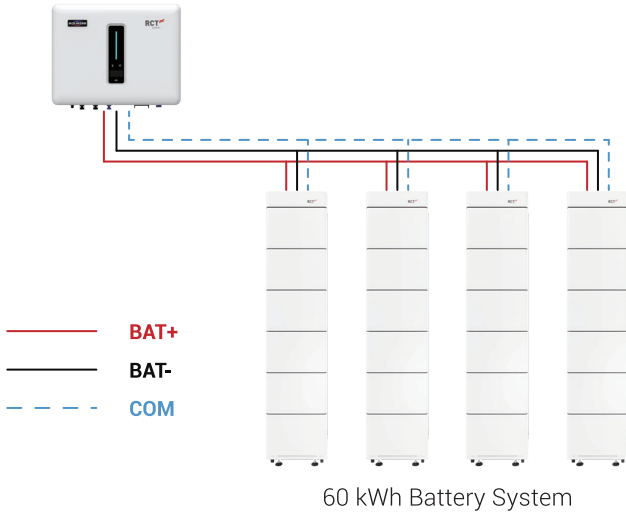


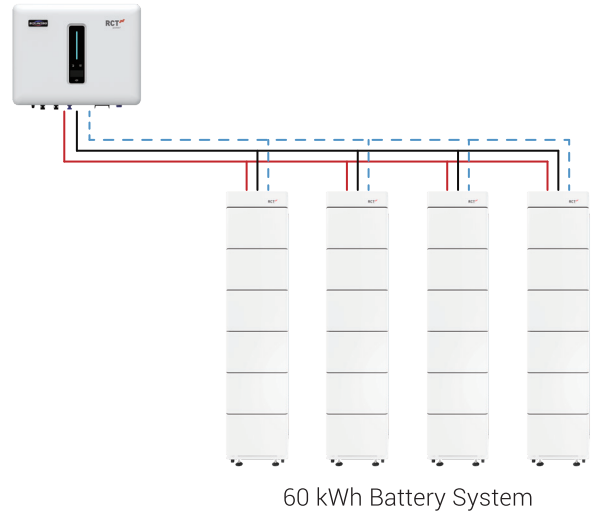
10KW/60KWH RESS DIAGRAM

10kW Three-phase
Hybrid Inverter (25A / 40A)



15KW/60KWH RESS DIAGRAM

15kW Three-phase
Hybrid Inverter (40A)



HIGH SPECIFICATION

- <10ms UPS switching for uninterrupted critical loads
- 160% DC oversizing for more PV energy capture
- 110% AC overload support for full charge/discharge

MODULAR DESIGN

- Each cluster can select 2-6 battery packs with a capacity of 5-15 kWh
- 1-4 clusters paralleled for scaling total capacity 5-60 kWh
- Modular design + streamlined wiring for easy transport & on-site installation

WIDE COMPATIBILITY

- Supports 2 MPPT channels
- Compatible with 135 - 750V battery system
- Up to 10 units can be paralleled to expand the power

HIGH RELIABILITY AND CONTINUITY

- IP65 rated for outdoor/salt spray/humid environments
- Upgraded RCT EMS platform for intelligent energy management
- 10-year warranty for the battery system

INVERTER

Model	MHT-10K-25	MHT-10K-40	MHT-15K-40
Max. Recommended PV Power [W]	16,000	16,000	24,000
Max. PV Input Voltage [V]	1,000		
Rated PV Input Voltage [V]	620		
MPPT Voltage Range [V]	200-950		
No. of MPPT Trackers	2		
No. of Strings per MPPT	1 / 1	2 / 2	2 / 2
Max. Input Current [A]	15 / 15	30 / 30	30 / 30
Battery Voltage Range [V]	135 - 750		
Max. Charging/Discharge Current [A]	25 / 25	40 / 40	40 / 40
Max. Charging/Discharge Power [W]	10,000	10,000	15,000
Communicate Interface	CAN, RS485		
Max. AC Output Apparent Power [VA]	11,000	11,000	16,500
Grid Frequency [Hz]	50 / 60		
Rated AC Output Current [A]	15.2 / 14.5 / 13.9	15.2/14.5/13.9	22.7/21.7/20.8
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging		
Output THDi (@Rated Power)	< 3%		
MPPT Efficiency	99.9%		
Max. Efficiency	98.1%	98.4%	98.4%
Euro-Efficiency	97.3%	97.5%	97.5%
Dimensions (W×H×D) [mm]	534 x 418 x 210		
Weight [kg]	26	28	31
Ambient Temperature Range [°C]	-30 - +60		
Relative Humidity [%]	0 ~ 100%, non-condensing		
Max. Operation Altitude [m]	3,000		
Ingress Protection	IP 65		
Safety/EMC Regulation	EN IEC 61000, EN IEC 62109, IEC 61727, IEC 60068, EN IEC 62116, IEC 61683, EN IEC 62477-1, PSTI, IS 16169, IS 16221-2		
Grid-connection Certification/Region	EN 50549-1/-10 (Europe), VDE AR-N4105 (Germany), TOR Erzeuger (Austria), UTE/XP+VDE0126+VFR(France), AS4777.2 (Australian), CEC (Australian), C10/11 (Belgium), UNE 217001 (Spain), UNE 217002 (Spain), G99 (UK), G100 (UK), NRS 097-2-1 (South Africa), Romania, Netherland, ZAMBIA, Portugal(DGEG), PPDS (Czech type A), Sweden, Estonian, Slovenia, Slovakia, Hungary(≤50kVA), Hungary(≤150kVA,1000V<U<110kV), Denmark, Latvia		

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 Parralled 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	IP65		
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:**

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;
 40kWh consists of 4 clusters of 10kWh systems;
 45kWh consists of 3 clusters of 15kWh systems;
 50kWh consists of 4 clusters of 12.5kWh systems;
 60kWh consists of 4 clusters of 15kWh systems.

MHT-10K-25

10kW Three-phase Hybrid Inverter

Rated AC Output Power [W]	10,000
Rated Output Voltage [V]	3L+N+PE; 220/380V; 230/400V; 240/415V
Battery Max. Charging/Discharge Current [A]	25 / 25
Operating Temperature Range [°C]	-30 - 60
Ingress Protection	IP 65
Dimension (WxDxH) [mm]	534 x 210 x 418
Weight [kg]	26
Type of Installation	Wall-mounted



APC025SD03P-AU1

Standard configuration (requires additional purchase)

Rated Voltage	1000 V
Rated Current	25 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP67
Flame Class	UL94-V0
Length	300 mm



APC025SD03N-AU1

Standard configuration (requires additional purchase)

Rated Voltage	1000 V
Rated Current	25 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP67
Flame Class	UL94-V0
Length	300 mm



ASC000SF03C-AU1

Standard configuration (requires additional purchase)

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



MHT-10K-40

10kW Three-phase Hybrid Inverter

Rated AC Output Power [W]	10,000
Rated Output Voltage [V]	3L+N+PE; 220/380V; 230/400V; 240/415V
Battery Max. Charging/Discharge Current [A]	40 / 40
Operating Temperature Range [°C]	-30 - 60
Ingress Protection	IP 65
Dimension (WxDxH) [mm]	534 x 210 x 418
Weight [kg]	28
Type of Installation	Wall-mounted



MHT-15K-40

15kW Three-phase Hybrid Inverter

Rated AC Output Power [W]	15,000
Rated Output Voltage [V]	3L+N+PE; 220/380V; 230/400V; 240/415V
Battery Max. Charging/Discharge Current [A]	40 / 40
Operating Temperature Range [°C]	-30 - 60
Ingress Protection	IP 65
Dimension (WxDxH) [mm]	534 x 210 x 418
Weight [kg]	31
Type of Installation	Wall-mounted



APC040SD03P-AU1

Standard configuration (requires additional purchase)

Rated Voltage	1000 V
Rated Current	40 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP67
Flame Class	UL94-V0
Length	300 mm



APC040SD03N-AU1

Standard configuration (requires additional purchase)

Rated Voltage	1000 V
Rated Current	40 A
Temperature Range	-40 °C ~ + 85 °C
Degree of protection	IP67
Flame Class	UL94-V0
Length	300 mm



ASC000SF03C-AU1

Standard configuration (requires additional purchase)

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



Power Battery 5.0 / 7.5 / 10.0 / 12.5 / 15

5 / 7.5 / 10 / 12.5 / 15 kWh Power Battery System

Number of Battery Packs	2 / 3 / 4 / 5 / 6
Nominal Capacity [kWh]	5.0 / 7.5 / 10.0 / 12.5 / 15.0
Max. Charge/Discharge Current [A]	25 / 25
Operating Temperature Range [°C]	-18 - 55
Ingress Protection	IP 65
Max. Dimension (WxDxH) [mm]	347 x 345 x 1507
Max. Weight [kg]	159
Type of Installation	Floor stand, indoor, outdoor



***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

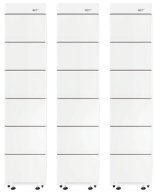


ADAPTER CONFIGURATION INSTRUCTIONS



MHT-10K-40 | MHT-15K-40

No. of battery clusters

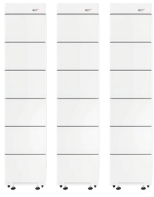
	 1 Cluster	 2 Cluster	 3 Cluster	 4 Cluster
Connection terminal				
Positive P/N: 3EE021829				
Positive P/N: 3EE021818	/	/		
Negative P/N: 3EE021817	/	/		
Negative P/N: 3EE021826				
P/N: 3EE021834				

ADAPTER CONFIGURATION INSTRUCTIONS



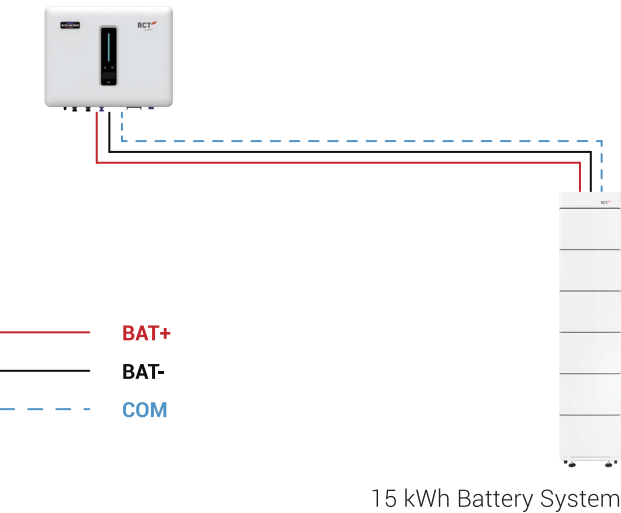
MHT-10K-25

No. of battery clusters

	 1 Cluster	 2 Cluster	 3 Cluster	 4 Cluster
Connection terminal				
Positive P/N: 3EE021841				
Positive P/N: 3EE021818	/	/		
Negative P/N: 3EE021817	/	/		
Negative P/N: 3EE021838				
P/N: 3EE021834				

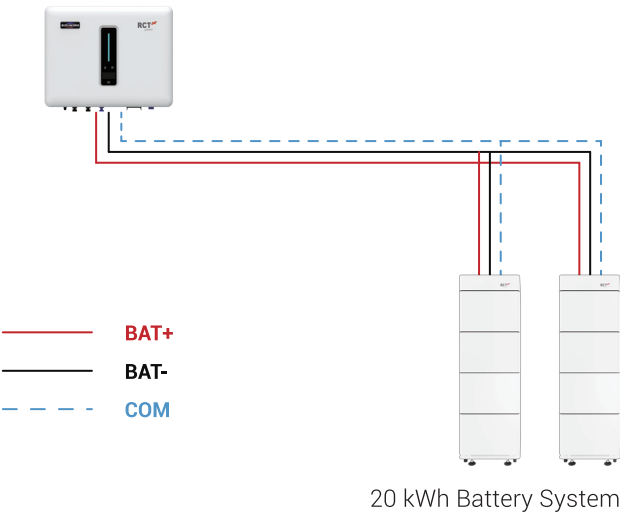
10KW/15KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



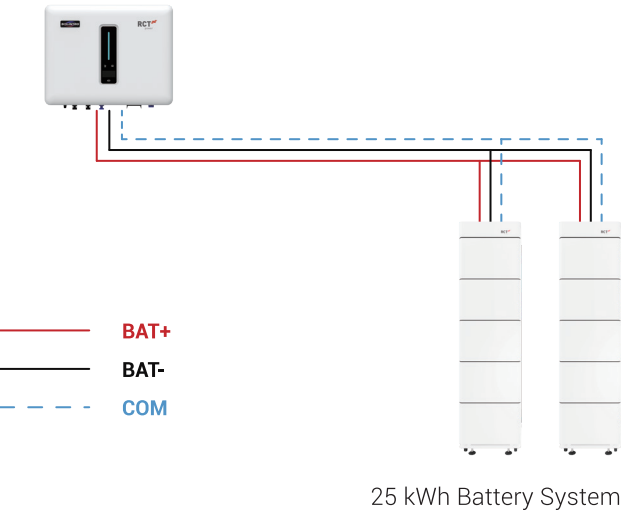
15KW/20KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



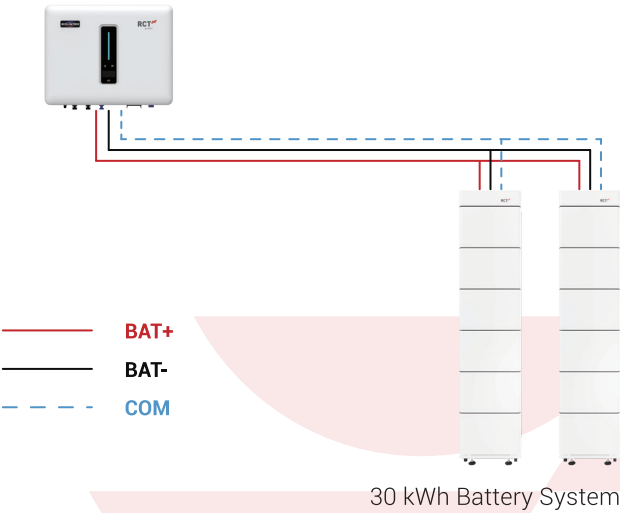
10KW/25KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



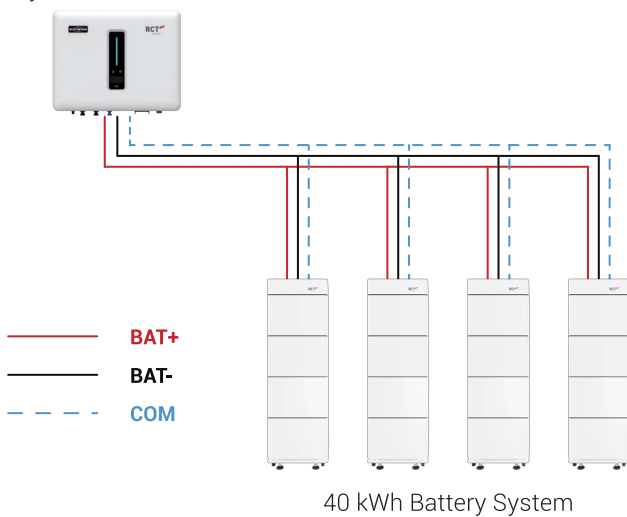
15KW/30KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



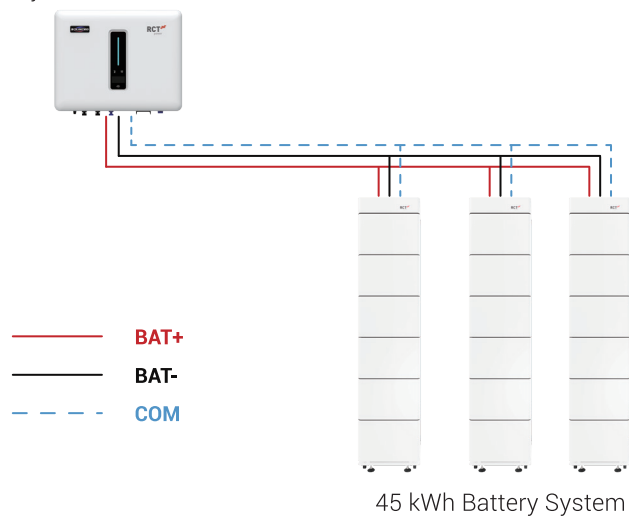
10KW/40KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



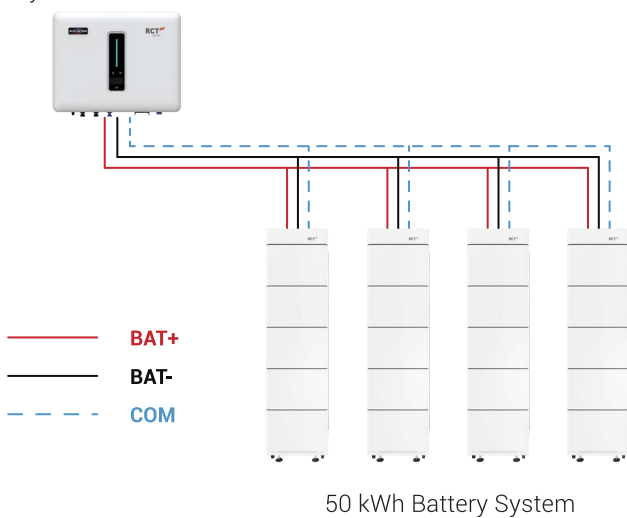
15KW/45KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



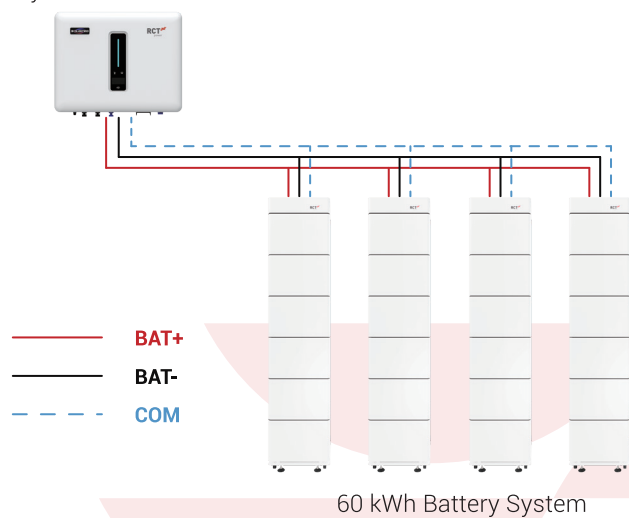
10KW/50KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



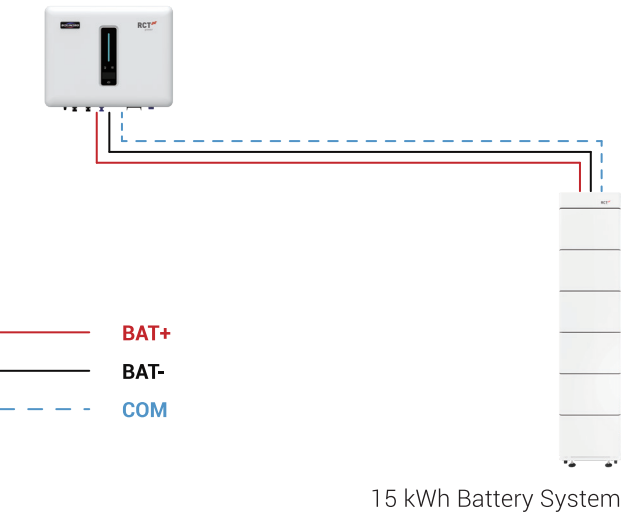
15KW/60KWH RESS DIAGRAM

10/15kW Three-phase
Hybrid Inverter-40A



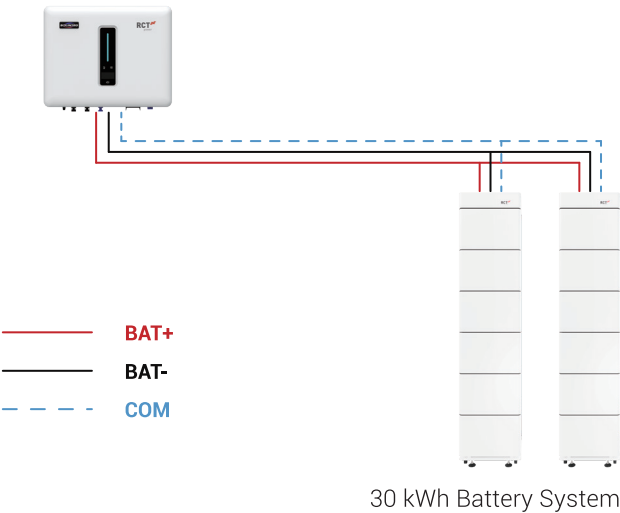
10KW/15KWH RESS DIAGRAM

10kW Three-phase
Hybrid Inverter-25A



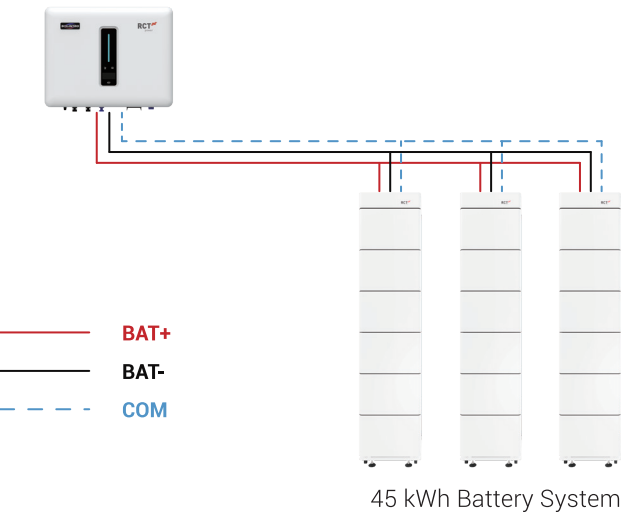
10KW/30KWH RESS DIAGRAM

10kW Three-phase
Hybrid Inverter-25A



10KW/45KWH RESS DIAGRAM

10kW Three-phase
Hybrid Inverter-25A



10KW/60KWH RESS DIAGRAM

10kW Three-phase
Hybrid Inverter-25A

