INTELLIGENT POWER STORAGE FROM ONE SOURCE.

SUSTAINABLE. FLEXIBLE. EFFICIENT.

RCT power

SOLAR ENERGY IS OUR PASSION. WE STORE IT.

With a modular and efficient RCT Power DC Storage System you store your solar power locally and use it whenever you need it. Rising solar self-consumption.

NOW AVAILABLE IN THE USA.

RCT Power is a technology leader in stationary storage solutions. The brand originated in Konstanz, Germany, and develops both hardware and software in-house. RCT Power US, based in Walnut Creek, California, provides sales and service.

RCT power

INTELLIGENT POWER STORAGE FROM ONE SOURCE.

RCT POWER STORAGE DC US 8.0 | 8.0 PRO

PURE EFFICIENCY

Power outage protection.
Modular design.
Easy installation.

Paired with solar panels, it provides clean energy and efficiently charges the RCT Power Battery. The modular design easily integrates into the building environment. A multicolor LED light path indicates current status.

RCT POWER BATTERY

GROWS WITH YOUR NEEDS

Energy storage for high demands. Upgradable.

The RCT Power Battery stores your solar energy for use when the sun is not shining, using especially safe and environmentally friendly LiFePO4 battery cells. The modular system can be upgraded and adapted to your needs.

RESILIENT AT ANY TIME.

Power your home during an outage with stored energy.

Keep your appliances safe and running.

Sustainable clean energy storage with solar power.

RCT power

SOLAR ENERGY WHENEVER YOU NEED IT.

The intelligent RCT Power Storage System ensures that solar power can be used when the sky is cloudy, at night, or during power outages. During the day, when the sun is shining, your photovoltaic system usually produces more energy than your household uses, and the RCT Power Storage System stores this valuable solar energy locally. You use it when you need it, including at night and on days with very little or no sunshine. Your solar self-consumption increases significantly.

You use solar energy more sustainably and become less dependent on external power suppliers.

A perfect feeling: The integrated Power Switch provides energy for important consumers during a power outage. This back-up power feature increases your independence and supplies your home with power from the battery.

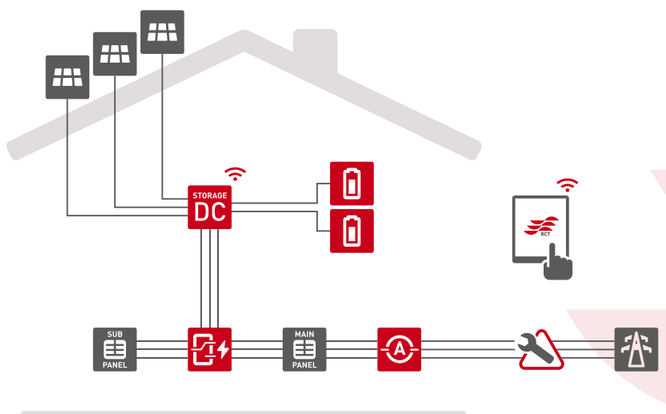
Efficiency matters: If you consider a high efficiency rate when purchasing your power storage, you will not only save money, but also actively contribute to climate protection.RCT Power's unique high-efficiency DC technology has received international awards for several years.

NEM3.0 READY:
SELF-CONSUMPTION FIRST.

NEM3.0 is changing the residential solar industry. Batteries are becoming an integral part of every solar system. More flexible battery capacities are needed to maximize self-consumption.

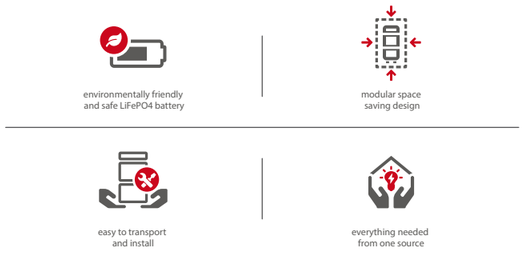
RCT Power provides flexible DC coupled, all-in-one solutions that offer low payback time for new solar installations under NEM3.0. The hybrid inverter with battery connection distributes the generated solar power intelligently, optimises yield and conserves your battery. Programmable outputs ensure that excess power is not fed into the grid but is purposefully directed towards your heat pump, your electric car or other devices.

The intelligent charging strategy optimises and balances the generation and consumption of electricity in the overall system. It will benefit individual households as well as the public power grid.



POWER BATTERY
3.8 | 5.7 | 7.6 | 9.6 | 11.5

MODULAR HIGH VOLTAGE INDOOR BATTERY FOR PV STORAGE SYSTEMS



HIGH EFFICIENCY

- $LiFePO_4$ technology
- 25 A charge & discharge capability
- High voltage, high efficiency, low stress operation
- Modern and space-saving design

FLEXIBLE AND UPGRADEABLE

- 2 - 6 battery stacks
- Usable capacity scalable in incrementes of 1.7 kWh
- Upgradeable
- Suitable for back-up systems

EASY INSTALLATION

- Modular concept and simple wiring for easy transport and installation
- Lightweight components
- Master battery management system
- Plug & play

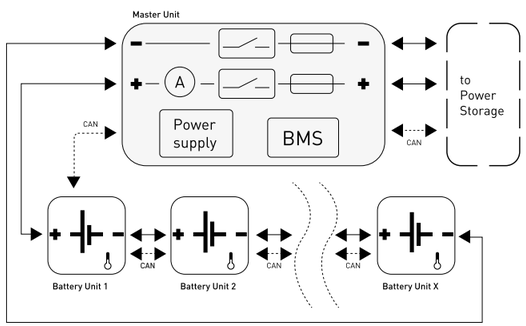
SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee

MONITORING VIA APP

- Powerful RCT RESS App
- Full data visualization
- Monitoring from every location
- Configuration options
- One click update

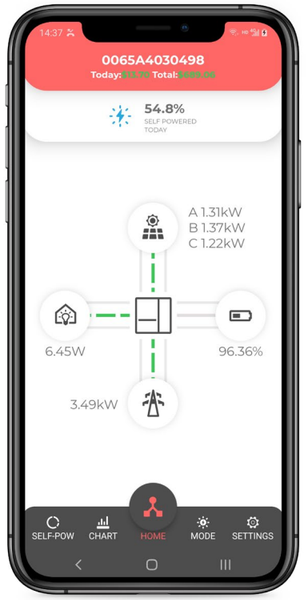
BLOCK DIAGRAM



POWER BATTERY	3.8	5.7	7.6	9.6	11.5
ELECTRICAL PARAMETERS					
Nominal capacity	3,84 kWh	5,76 kWh	7,68 kWh	9,60 kWh	11,52 kWh
Usable capacity (90% DoD)	3,46 kWh	5,18 kWh	6,91 kWh	8,64 kWh	10,37 kWh
Cycle Life (at 80% remaining capacity)	5000				
Voltage range	120 V...173 V	180 V ... 260 V	240 V ... 346 V	300 V ... 432 V	360 V ... 520 V
Nominal voltage	154 V	230 V	307 V	384 V	461 V
Maximum charge / discharge current	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A
Standby consumption	< 5 W				
INTERFACES					
Power Storage interface	CAN				
GENERAL					
Battery technology	$LiFePO_4$				
Dimensions (height x width x depth)	1.97'x1.12'x1.12'	2.72'x1.12'x1.12'	3.48'x1.12'x1.12	4.23'x1.12'x1.12	4.99'x1.12'x1.12
Weight (single module 52.9 lb)	119.0 lb	172.0 lb	224.9 lb	277.8 lb	330.7 lb
Number of battery units	2	3	4	5	6
IP degree of protection	IP42				
Type of installation	floor stand / indoor				
Operating temperature range	5°F ~ 122 °F				
Connector type	Quick Contact MC4 - Evo 2				
SAFETY / STANDARDS					
Safety class	I				
Certificates	UN 38-3, UL1973, UL60730-1, UL9540A				
EMC	FCC Part 15B				
Safety	UL1973, UL60730-1, UL9540A				

WARRANTY

Warranty	10 years



RCT RESS APP

With the powerful RCT RESS App you can manage and control all functions of your storage system. Installation, maintenance and control are made easy. The App is a flexible tool and includes comprehensive data visualisation and various configuration options.

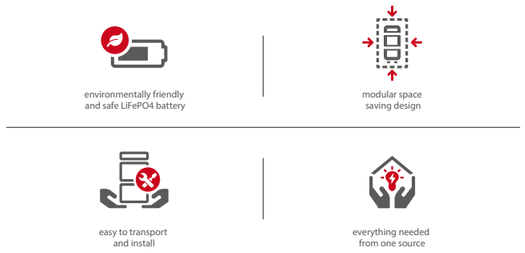
GET IT ON Google Play

Download on the App Store

RCT power

POWER BATTERY
5.0 | 7.5 | 10.0 | 12.5 | 15.0

MODULAR HIGH VOLTAGE OUTDOOR BATTERY FOR PV STORAGE SYSTEMS



HIGH EFFICIENCY

- $LiFePO_4$ technology
- 25 A charge & discharge capability
- High voltage, high efficiency, low stress operation
- Modern and space-saving design

FLEXIBLE AND UPGRADEABLE

- 2 - 6 battery stacks
- Usable capacity scalable in incrementes of 2.25 kWh
- Upgradeable
- Suitable for back-up systems

EASY INSTALLATION

- Modular concept and simple wiring for easy transport and installation
- Lightweight components
- Master battery management system
- Plug & play

SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee
- IP65: Suitable for outdoor installation

MONITORING VIA APP

- Powerful RCT RESS App
- Full data visualization
- Monitoring from every location
- Configuration options
- One click update

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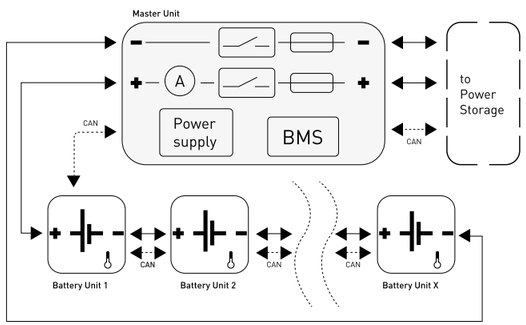

POWER BATTERY	5.0	7.5	10.0	12.5	15.0
ELECTRICAL PARAMETERS					
Nominal capacity	5 kWh	7.5 kWh	10 kWh	12.5 kWh	15 kWh
Usable capacity (90% DoD)	4.5 kWh	6.75 kWh	9 kWh	11.25 kWh	13.5 kWh
Cycle Life	6000				
Voltage range	143 V ~ 168 V	214 V ~ 252 V	286 V ~ 336 V	357 V ~ 420 V	428 V ~ 504 V
Nominal voltage	154 V	230 V	307 V	384 V	461 V
Maximum charge / discharge current	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A
Standby consumption	< 5 W				
INTERFACES					
Power Storage interface	CAN				
GENERAL					
Battery technology	$LiFePO_4$				
Dimensions (height x width x depth)	1.95'x1.12'x1.12'	2.69'x1.12'x1.12'	3.43'x1.12'x1.12	4.17'x1.12'x1.12	4.90'x1.12'x1.12
Weight (single module 52.9 lb)	123.5 lb	176.4lb	229.3 lb	282.2 lb	335.2 lb
Number of battery units	2	3	4	5	6
IP degree of protection	IP65				
Type of installation	floor stand / indoor / outdoor				
Operating temperature range	-0.4 °F ~ 131 °F				
Connector type	Quick Contact MC4 - Evo 2				
SAFETY / STANDARDS					
Safety class	I				
Certificates	UN 38-3, UL1973, UL60730-1, UL9540A				
EMC	FCC Part 15B, ICES-003				
Safety	UL1973, UL60730-1, UL9540A				
WARRANTY					
Warranty	10 years				

RCT power

POWER STORAGE DC
US 8.0 | 8.0 PRO

DC-COUPLED HYBRID INVERTER FOR RESIDENTIAL AND COMMERCIAL PV SYSTEMS

high efficiency | back-up power supply | up to 3 roof orientations

modular space saving design | quick and easy installation | everything needed from one source

HIGH EFFICIENCY

- Intelligent energy storage management
- 3 independent MPP-trackers, switchable to parallel mode
- Transformerless topology
- Fanless cooling
- Dynamic power adjustment (1- 100%)
- Forecast based battery charging
- Back-up power supply

UNIQUE FLEXIBILITY

- Possible input voltage range between 120 V and 520 V
- Up to 2 high voltage batteries per inverter
- Modular and space saving design

EASY INSTALLATION

- Plug and play installation
- Quick commissioning with wizard via RCT Power App
- Integrated auto-transformer
- Separate Power Switch installation possible

USER FRIENDLY COMMUNICATION

- Multicolor LED light path display
- Comfortable remote monitoring via App and Cloud
- Multifunction relay for connecting consumers

PREMIUM DESIGN

- German technology
- Flexible and sophisticated design
- Durable aluminium housing

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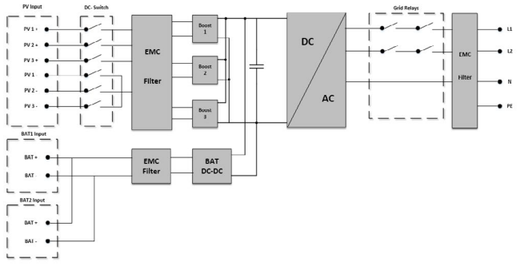

POWER STORAGE DC	US 8.0	US 8.0 PRO
DC INPUT		
Max. recommended DC power	12000 W	
MPPT	3	
Input per MPPT	1	
Maximum DC current per MPPT	14 A	
Rated DC voltage	360	
DC start up voltage	125 V	
MPP voltage range	120 V ~ 500 V	
Maximum Voltage DC	520 V	
Connector type	Quick Contact MC1-Evo 2	
BATTERY INPUT		
DC Voltage Range	120 V ~ 520 V	
Maximum charge / Discharge current	25 A	
Maximum charge / Discharge power	11550 W / 8000 W	
Connector-type	Wiring box	
AC OUTPUT (GRID-MODE)		
Real AC output power	8000 W	
Nominal AC current	34 A	
Frequency range	58 Hz to 62 Hz	
Grounding fault protection current	30 mA, 60 mA, 150 mA	
Rated AC voltage	240 Vac	
AC voltage range	211 V ~ 264 V	
Total harmonic distortion	< 3%	
Reactive power factor	Adjustable range 0.80 cap. . .0.80 ind	
Anti-islanding operation	YES	
Earth fault protection	RCD	
Type of AC connection	Wiring box	
AC OUTPUT (BACK-UP MODE)		
Maximum output power	5000 W*	
Rated AC voltage	120 / 240Vac (Split Phase)	
Nominal AC current	21 A	
Nominal AC output frequency	60 Hz	
Total harmonic distortion	< 5 %	
Type of AC connection	Wiring box	
PERFORMANCE		
Stand-by consumption	< 4 W	
Maximum efficiency (PV-Grid)	97.94 %	
Maximum efficiency (Battery-Grid)	97.48 %	
CEC efficiency	97.5 %	
Topology	Transformerless	
OTHERS		
Dark Start Function	Yes	
PV Disconnect switch	Integrated in wiring box	
Data interface	BAT/CAN, WLAN, LAN, RS485	
Display	LED Light	
Cooling	Convection	
Max. operating altitude	6500 ft	
Max. relative humidity	5 - 95 % (non condensing)	
Typical noise	< 35 dB	
Operating temperature	-13 °F ~ 140 °F	
Enclosure type	NEMA Type 1	NEMA Type 3R
Size Power Inverter (HxWxD)	2.79’ x 1.90’ x 0.67’	
Size Power Switch (HxWxD)	2.79’ x 1.05’ x 0.67’	
Weight Power Inverter	75 lb	
Weight Power Switch	45 lb	

SAFETY / STANDARDS

Safety	UL1741 , CSA-C22.2 No. 107.1-16	AFCI	UL1699B (TYPE 1)
Grouding fault protection	UL1741 CRD	Grid support regulation	UL1741 SB , IEEE1547, California Rule 21
Software approval	UL1998	Storage system	UL9540
Anti-islanding protection	IEEE1547, IEEE1547.1	EMC	FCC part 15 Class B

* Need to use 3~6 pcs power battery stacks

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STORAGE SYSTEMS RETHOUGHT.

WWW.RCT-POWER.US

CALL US FOR A FREE CONSULTATION.
888-99-RCTUS (888-99-72887)

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