

PERFECT NO MATTER WHAT YOU PLAN. BATTERY STORAGE MYRESERVE MATRIX

- DC-side integrated
- Modular
- Sustainable
- Efficient
- Inverter-independently
- Intelligent
- Certified Safety
- Easy installation
- Retrofit ready

SOLARWATT Service



Full Coverage
included*



Simple returns policy
as per electrical and electronic
equipment legislation



5 years
Produkt Warranty
for MyReserve Command



Made in Germany
Guarantee of origin
Quality from Germany



10 years
Performance Warranty
for min. 80 % capacity of
MyReserve Pack



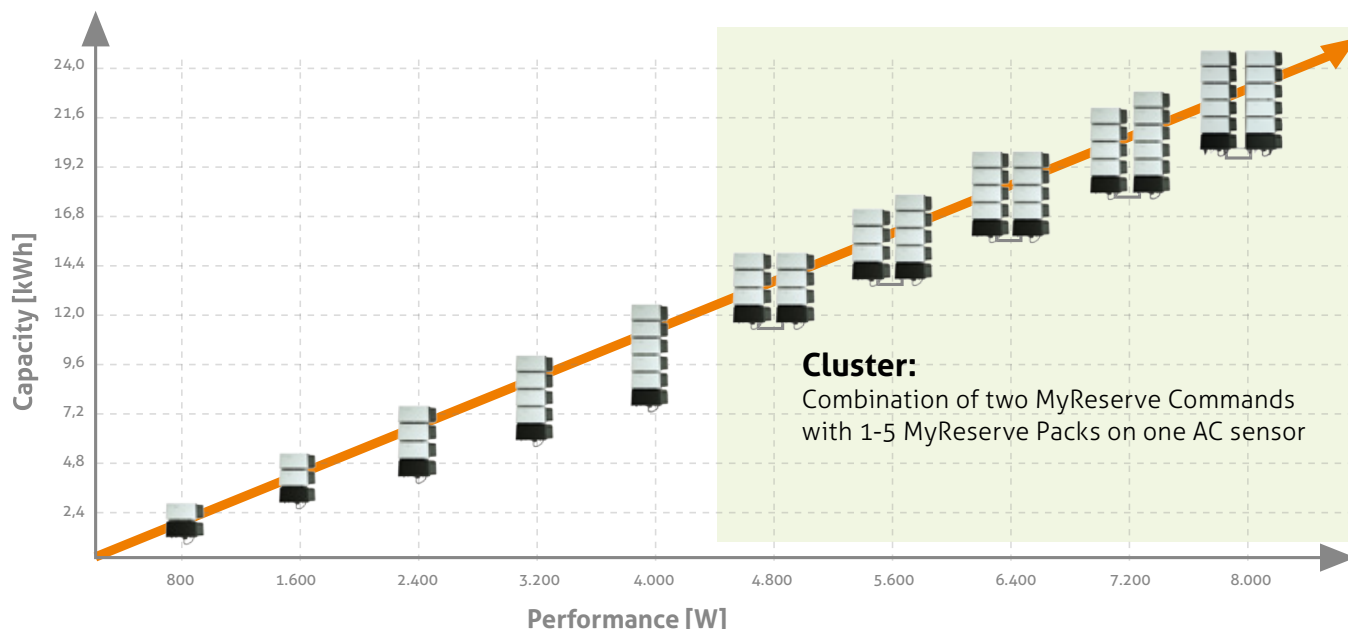
Energy Manager ready
EnergyManager ready
perfekt system integration

* FullCoverage insurance is available only in selected countries and provided an inverter is used from the list of "Approved Inverters for MyReserve" (available in the download area of SOLARWATT Website)



CUSTOM-MADE PERFORMANCE AND CAPACITY. MYRESERVE MATRIX

- up to 24 kWh storage capacity
- up to 8 kW performance



Note: Always use the MyReserve string configurator for system planning to confirm the installation is suitable for the best operation of the battery system.

UK: The configurator is available in the Expert Portal (Pro) of our website www.solarwatt.com under the menu item 'Tools'.

AUS: The configurator is available in the Professional area of our website www.solarwatt.com.au under the menu item 'Tools'.

2 MODULES - ALL OPTIONS.

MYRESERVE COMMAND AND MYRESERVE PACK

MyReserve Command 20.2

MyReserve Command is a highly efficient battery converter for DC-side integration between PV string and inverter.

- Connection of 1 to 5 MyReserve Pack battery modules
- Possible expansion via software-update to couple multiple systems
- Peak output of up to 4 kW
- Discharge efficiency of up to 96.7 %
- Fast step response < 1 s (time to supply a load demand)
- Self-learning operating software for internal consumption optimization
- Safe and easy installation and maintenance
- Bluetooth-compatible service interface
- Safety: certified as per „Safety guidelines for Li-ion household battery systems“

MyReserve Pack 24.3

- Powerful lithium-ion battery module for MyReserve battery system
- Depth of Discharge is 100%
- Unique battery efficiency of 99.2%
- Long service life > 15 years
- Plug & play installation with contact-protected and polarity-reversal-protected connecting plugs
- One-man installation possible (only 25 kg)
- Certified safety with multi-stage safety controls
- Integrated battery management system with VTC supervisor
- Individual cell monitoring
- Dynamic Charge Estimator - dynamic adjustment of the charge current of the battery based on the current PV output and the household's internal consumption
- Maintenance-free
- No memory effect



SPACE REQUIREMENTS MYRESERVE MATRIX

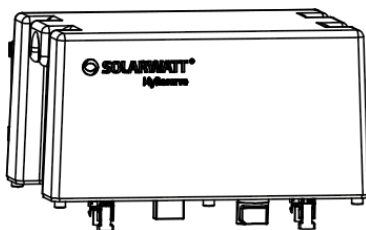


Keep a minimum distance around the MyReserve (at least 30 cm to the floor and to the rightside wall).

Attention! The cm-indications in the figure refer to the distances between wall holder and wall / floor / adjacent MyReserve device

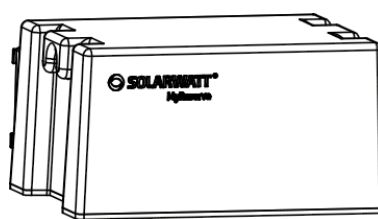
Components	Quantity per MyReserve Matrix device					Quantity per MyReserve Matrix cluster				
	2,4 kWh	4,8 kWh	7,2 kWh	9,6 kWh	12 kWh	14,4 kWh	16,8 kWh	19,2 kWh	21,6 kWh	24 kWh
MyReserve Pack 24.3 (2,4 kWh)	1	2	3	4	5	6	7	8	9	10
MyReserve Command 20.2	1	1	1	1	1	1	1	1	1	1
MyReserve Command 20.2 Master	-	-	-	-	-	1	1	1	1	1
Accessory Kit MyReserve Command	1	1	1	1	1	2	2	2	2	2
Accessory Kit MyReserve Pack	-	1	2	3	4	4	5	6	7	8
AC-Sensor 63	1	1	1	1	1	1	1	1	1	1

MyReserve Command

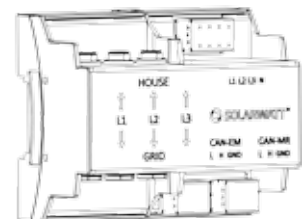


Operating software either for single operation or as master device in cluster operation

MyReserve Pack



AC-Sensor



Accessory Kit MyReserve Pack

1x Protective cover	
1x Wall bracket A1	
1x Wiring harness Battery to battery	
1x Screw set	

Accessory Kit MyReserve Command

2x Protective cover		1x PowerDataGateway (incl. power supply and network cable) 1x Seal rubber plug 1x Terminating plug 2x Cable ties 1x RJ45 plug (user-configurable) 1x IEC female plug (user-configurable) 1x IEC cable with standard plug each 2x PV connectors (pos + and neg -) 1x Screw set
1x Wall bracket A2		
1x Wiring harness Command to battery		
Product documentation		

Extract, for detailed data please refer to the technical datasheets

MYRESERVE COMMAND 20.2

Number of battery modules to be connected	1	2	3	4	5
Battery module circuitry	In series				
Operation system/software	for single-device or master-device in cluster operation				
Coupling of the battery converter	in the DC string of the PV system				
Max. number of battery converters in parallel operation (cluster coupling)	2				
Grid connection	Suitable for grid parallel operation with 1 or 3-phase PV inverter				
Max. charge efficiency (PV2BAT)	97.0 %				
Max. discharge efficiency (BAT2INV)	96.7 %				
Efficiency with direct internal consumption (without battery operation) (PV2INV)	99.8 %				
Max. overall efficiency (round trip - charge/discharge)	92 %				
Max. permissible PV input voltage	650 V	900 V			
Min. PV input voltage U_{mpp} (under STC)	150 V	200 V	250 V	300 V	350 V
Max. permissible PV input current I_{dc}	20 A				
Max. charging and discharging current	16 A				
Number of PV inputs, DC in	1				
Connection technology, DC in/ DC out	WMC4 (Weidmüller) included in the scope of delivery				
Max. charge and discharge output	0.8 kW	1.6 kW	2.4 kW	3.2 kW	4.0 kW
Max. charge and discharge output (continuous operation) ¹⁾	0.5-0.8 kW	1.0-1.6 kW	1.5-2.4 kW	2.0-3.2 kW	2.5-4.0 kW
Supply voltage/frequency, AC in	220-240VAC, 50-60Hz				
Protection rating	IP 31				

1) depending on temperature and PV voltage

MYRESERVE PACK 24.3

Rated capacity	2.4 kWh
Depth of Discharge (DoD)	100 %
Cell technology	Li-ion
Cell separator	Ceramic coating
BMS	VTC Supervisor ¹⁾
Maximum efficiency	99.2%
Weight	25Kg
Dimensions (W x H x D)	384mm X 200.5mm X 277mm (Depth: 260mm without fastening points)
Housing	Aluminum
Communication	iso SPI
Power connections	Power plug with integrated communication (contact-protection and polarity-reversal protection) ²⁾
Battery fuse	Integrated
Warranty ³⁾	10 years (min. 80 % capacity)
Cycle service life	unlimited number of full cycles during the warranty period

1) Continuous monitoring of all cell voltages, cell temperatures, and current. Shut-off of the system when parameter limits are exceeded.

2) The battery poles are voltage-free when the battery is removed.

AC-SENSOR 63

Installation	DIN top hat rail TS35, suitable for installation in electrical junction boxes
Limit current	63 A per phase conductor
Self consumption	max. 4.6 W
Power consumption	max. 20 mA
Voltage	3 /N/230/400 V ~ ± 10 %
Frequency	50 Hz
Measuring method	Balancing three-phase conductor measurement
Interface	CAN-Bus, electrically isolated
Cross-section of the passing section of outer conductors (current measurement)	6,9 mm
Cross-section of neutral conductor and outer conductors in the connection section (voltage measurement)	0,75 mm ² - 2,5 mm ² isolated
Installation width	6TE (108 mm)
Weight	0,29 kg
Type of protection	IP 21
Relative humidity	≤ 85% non condensing
Operating temperature range	-25°C bis + 45°C
Protection class	II
Measuring accuracy	Offset < 3 W

Do you still have questions?

Your account manager or our Customer Service team will be happy to help.

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