AZ-TDB-PME-0991 | REV 003 | 11/2018 | EN

SOLARWATT®
power to the people

MyReserve Command 20.2 **Store energy.**

THE ENERGY MATRIX IS HERE.
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 to parallely couple multiple systems
- Peak power 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"

Bluetooth®

Product features

- Best price
- Certified safety
- Easy installation
- Retrofit ready

SOLARWATT Service

FullCoverage
included if part of a complete MyReserve-System*

Professional consultation
Experts via hotline or on site

Warranty
5 years
Product warranty

Guarantee of origin
Made in Germany
Quality from Germany

Simple returns policy
as per electrical and electronic equipment legislation

EnergyManager-ready
Energy Manager ready
Perfect system integration

* FullCoverage insurance is available only in selected countries and provided an inverter is used from the list of "Approved Inverters for MyReserve"

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Certified according to DIN EN ISO 9001, 14001, 50001 | BS OHSAS 18001:2007

Technical Data | **MyReserve Command 20.2**

SOLARWATT® power to the people

GENERAL INFORMATION

Model name	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)	5				
Mains connection	suitable for mains 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 Umpp (under STC)	150 V	200 V	240 V	290 V	340 V
Max. permissible PV input current Idc	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 ower	0.8 kW	1.6 kW	2.4 kW	3.2 kW	4.0 kW
Max. charge and discharge power (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	220-240 VAC, 50-60 Hz				
Connection technology, AC in	cold-device plug connector, included in supply package				
Data communication connection technology	RJ45 (CAN), included in the scope of delivery				
Internal consumption in sleep mode	max. 5 W				
Internal consumption in operating mode	max. 15 W				
Step response (time to supply a load demand)	< 1 s				
Dead time (time to stop discharging)	0.1 s				
Weight	12.9 kg				
Dimensions (W x H x D)	38.4 cm x 23.6 cm x 26 cm				
Installation	wall installation				
Shut-off device	two redundant automatically disconnecting HV relays, DC disconnector				
Communication	LED status display, Bluetooth, optional EnergyManager Portal				
FullCoverage Insurance[2]	5 years included				
Warranty	5 years				

SUPPORTED DEVICES

PV inverter	all standard string inverters compatible with MyReserve Command technical design parameters
Battery	MyReserve Pack 22.2, MyReserve Pack 24.3
Current sensor	AC Sensor 50, AC Sensor 63, AC Sensor 250
Energy management systems	EnergyManager
DC current source	crystalline/amorphous Si - photovoltaic modules

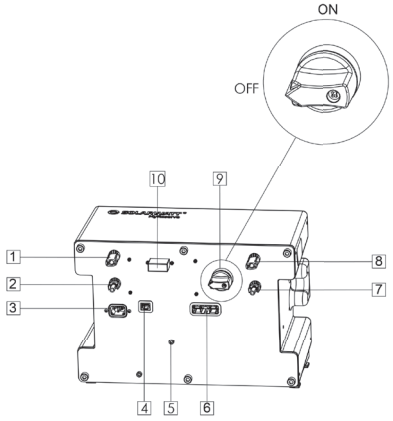
ENVIRONMENTAL AND AMBIENT CONDITIONS

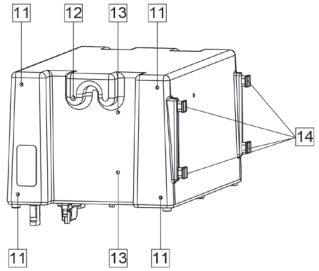
Environmental temperature range	-10°C to 45°C
Relative air humidity	≤ 85 % non-condensing
Protection rating	IP 31
Protection class	I
Overvoltage category	II
Installation location	up to 2,000 m above sea level, indoor room

CERTIFICATIONS AND STANDARDS

Tested by accredited laboratories according to	Safety Guidelines for Li-ion household battery system, Version 1.0 E DIN EN 62619:2014 (VDE 0510-39) DIN EN 50272-1:2011 (VDE 0510-1) DIN EN 62109-1:2011 (VDE 0126-14-1) DIN EN 61000-6-1:2007 (VDE 0839-6-1) DIN EN 61000-6-3:2011 (VDE 0839-6-3)
In compliance with	EU Directives (CE): 2014/35/EU (Low-voltage), 2014/30/EU (EMC), 2011/65/EU (RoHS, only AC Sensor) KIT short checklist for Li-ion household battery systems (150 points) VDE AR 2510-2 (in connection with VDE-AR-N 4105-compliant PV inverters) CEI 0-21 (in connection with CEI 0-21-compliant PV inverters)

CONFIGURATION





	Label	
1	INV (+)	positive inverter terminal
2	INV (-)	negative inverter terminal
3	230V AC	AC power supply
4	CAN	Data communication for AC Sensor (RJ45)
5	PE	Ground connection
6	BAT	Battery connection
7	PV (-)	PV string negative terminal

	Label	
8	PV (+)	positive PV string terminal
9	ON/OFF	DC disconnector
10	STATUS	Status LED/ Bluetooth antenna
11		Fastening holes for protective cover
12		Ground connection
13		Fastening holes
14		Mounting bracket

required accessory: Accessory Kit MyReserve Command, AC-Sensor

1) depending on temperature and PV voltage
2) SOLARWATT FullCoverage Insurance included for the first 5 years, optional extension available