MyReserve Command 20.2

Store energy. Intelligent storage control

MyReserve Command - 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 load response < 1 s (time to supply a load demand)
- Self-learning algorithm for maximum self-consumption
- Safe and easy installation
- Bluetooth-compatible service interface
- certified as per „Safety guidelines for Li-ion household battery systems“

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

SOLARWATT Service

FullCoverage insurance
included if part of a complete MyReserve-System*

Professional consultation
Experts via hotline or on site

Warranty
5 years product warranty

Guarantee of origin
Quality from Germany

Simple returns policy
as per electrical and electronic equipment legislation

EnergyManager 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“
## Technical data
### MyReserve Command 20.2

#### General information
- **Dimensions (W x H x D):** 38.4 cm x 23.6 cm x 26 cm
- **Weight:** 12.9 kg
- **Installation:** wall installation
- **Battery module circuitry:** in series
- **Coupling of the battery converter:** in DC string of the PV system
- **Max. number of battery converters in parallel operation (cluster coupling):** 6
- **Mains connection:** for mains parallel operation with 1 or 3-phase PV inverter
- **Max. charge efficiency (PV to BAT):** 97.0%
- **Max. discharge efficiency (BAT to INV):** 96.7%
- **Efficiency with direct internal consumption (without battery operation) (PV to INV):** 99.8%
- **Max. overall efficiency (round trip - charge/discharge):** 92%
- **Number of PV inputs, DC in:** 1
- **Connection technology, DC in/ DC out:** WMC4 (Weidmüller) included in the scope of delivery
- **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
- **Communication:** LED status display, Bluetooth, optional EnergyManager Portal
- **FullCoverage Insurance:1) 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 / 24.3)
- **Current sensor:** AC-Sensor (50 / 63 / 250 / flex)
- **DC current source:** crystalline/amorphous Si-PV-modules

#### Environmental and ambient conditions
- **Environmental temperature range:** -10°C bis 45°C
- **Relative air humidity:** ≤ 85% non-condensing
- **IP rating:** IP31
- **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:**
  - 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 6/3/0839)

- **In compliance with:**
  - EU Directives (CE): 2014/35/EU (Low-voltage), 2014/30/EU (EMC), 2011/65/EU (RoHS, only AC Sensor 50, AC Sensor 63)
  - 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)

#### Electrical data
- **Number of battery modules to be connected:** 1 - 5
- **Max. permissible PV input voltage:**
  - 1: 650 V
  - 2: 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
- **Max. charge and discharge power:**
  - 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

#### 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 (-) negative PV-string terminal
- 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

**Configuration**

Required accessory: Accessory Kit MyReserve Command, AC-Sensor

1) SOLARWATT FullCoverage Insurance included for the first 5 years, optional extension available

2) depending on temperature and PV voltage