

# MP20

## Multifunctional Powerbank

### Product description / Features

- Mobile Powerbank for USB devices, notebooks and any device with 12-24V charge voltage
- High capacity of 20100mAh (approx. 74Wh)
- Charges most popular smartphones (Samsung, Apple, etc.) and tablets via USB with up to 2.1A charge current as well as most modern notebooks (8 adapters included)
- USB charging with up to 24W using Qualcomm Quick Charge™ 3.0 technology (QC)
- 3 outputs (2x USB, 1x DC plug 5,5/2,1mm), output voltage through DC plug adjustable in 6 steps (12 / 15 / 16.5 / 19 / 20 / 24V)
- Simultaneous charging and discharging possible (charging via microUSB input)
- High-quality Li-polymer battery with long service life and efficient electronic circuitry, optimized for use with solar chargers even with low charging currents down to 150mA
- Internal protection circuit for battery (overcharge, deep discharge, temperature, short circuit)
- Illuminated LCD display with real power indicator, capacity and voltage
- Elegant housing made of black ABS

### Technical Data

- Rated capacity: 20.100 mAh @ 3,7V (74.4Wh)
- Real capacity (output): ca. 13.400mAh @ 5V / ca. 5.900mAh @ 12V
- Output voltage: 5,1V USB / 5 – 12V USB QC / 12 – 24V DC plug
- Output current: max. 2,1A @ 5V / 2A @ 12V QC / max. 5,4A @ 12V
- Output power: 50W continuous, 65W max.
- Input current: max. 2,1A (microUSB In) / max. 3A (13-20V DC plug)
- Charge duration: 10h (microUSB In) / 3h (13-20V DC plug)
- Input current threshold: 150mA (switch off ca. 5sec)
- Efficiency DC converter: 93% - 97% (5V – 12V)
- Temperature (charge): 0 ... +45°C
- Temp. (discharge/storage): -20...+60°C
- Humidity range: up to 90%
- Compliance: CE, FCC, ROHS
- Dimensions / weight: 174 x 78 x 22mm / ca. 450g

