

## Price List

valid until Dec. 31, 2018

### MPPT Charge Controllers Solar - Wind - Hydro - Hybrid

All prices in Euro, VAT included  
 Quantity discount on request

Type: Solar MPPT Charge Controller	Price per unit	Deliv. time in weeks
<b>SMR250dt,</b> MPPT Solar Charge Controller, DC-buck converter, Usolmax=100V, Ubat=14.5V/29.0V, Ibat=10A Psolmax=140W/280W, Alu enclosure: 17,4x11,8x3,7cm, IP40, with 2 Timers and dawn switch Timer1 adjustable 1-7h	<b>150.00</b>	<b>4</b>
<b>SMR500,</b> MPPT Solar Charge Controller, DC-buck converter, Usolmax=200V, Ubat=14.5V/29.0V/58.0V, Ibat=20A/12.5A(@48V-System), Psolmax=312W/604W/755W, Alu enclosure: 22x18x8cm, IP65	<b>346.00</b>	<b>1</b>
<b>SMR1000,</b> MPPT Solar Charge Controller, DC-buck converter, Usolmax=200V, Ubat=14.5V/29.0V/58.0V, Ibat=40A/25A @48V-System, Psolmax=624W/1208W/1510W, Wall mounted enclosure: 30x30x15cm, IP55	<b>521.00</b>	<b>1</b>
<b>SMR1500,</b> MPPT Solar Charge Controller, DC-buck converter, Usolmax=200V, Ubat=14.5V/29.0V/58.0V, Ibat=60A/37.5A @48V-System, Psolmax=935W/1813W/2266W, Wall mounted enclosure: 30x30x15cm, IP54	<b>721.00</b>	<b>1</b>
<b>SMR2000,</b> MPPT Solar Charge Controller, DC-Buck converter, Usolmax=200V, Ubat=14.5V/29.0V/58.0V, Ibat=80A/50A @48V-System, Psolmax=1247W/2417W/3021W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1165.00</b>	<b>3</b>
<b>SMR2500,</b> MPPT Solar Charge Controller, DC-Buck converter, Usolmax=200V, Ubat=14.5V/29.0V/58.0V, Ibat=100A/62.5A @48V-System, Psolmax=1559W/3021W/3776W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1358.00</b>	<b>3</b>
<b>KTY10-5,</b> Temperature sensor for MPPT Charger, IP65	<b>46.00</b>	<b>1</b>
<b>LCD-Matrix-Display</b> for Solar voltage, Battery current, Battery voltage, Power, Energy for SMR500 to SMR2500	<b>160.00</b>	<b>1</b>

<b>Type: Wind MPPT charger</b>	<b>Price per unit</b>	<b>Deliv. time in weeks</b>
<b>windMax250</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase recitfier, load resistor output, Ubat=14.5V/29.0V, Ibat=10A/7A(@24V-System), Pgenerator=140W/196W Alu enclosure: 17,4x11,7x3,7cm, IP40, RS232-Interface	<b>160.00</b>	<b>4</b>
<b>windMax500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=20A/12.5A(@48V-System), Pgenerator=322W/617W/771W, Alu enclosure: 22x18x8cm, IP65	<b>394.00</b>	<b>1</b>
<b>windMax1000</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=40A/25A @48V-System, Pgenerator=644W/1234W/1543W, Wall mounted enclosure: 30x30x15cm, IP55	<b>618.00</b>	<b>1</b>
<b>windMax1500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=60A/37.5A @48V-System, Pgenerator=967W/1851W/2314W, Wall mounted enclosure: 30x30x15cm, IP54	<b>841.00</b>	<b>1</b>
<b>windMax2000</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=80A/50A @48V-System, Pgenerator=1289W/2468W/3085W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1319.00</b>	<b>3</b>
<b>windMax2500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=100A/62.5A @48V-System, Pgenerator=1611W/3085W/3856W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1528.00</b>	<b>3</b>
<b>DL1500</b> load resistor 1500W, R=10Ω	<b>200.00</b>	<b>1</b>
<b>KTY10-5</b> Temperature sensor for MPPT Charger, IP65	<b>46.00</b>	<b>1</b>
<b>LCD-Matrix-Display</b> for Battery current, Battery voltage, Power, Udc-Generator voltage, Energy For windMax500 to windMax2500	<b>160.00</b>	<b>1</b>
<b>DLC2000</b> , PWM heat controller for Windgenerator. Pmax=3000W, Pnenn=2000W, Umax=500Vdc Wall mounted enclosure 30x30x15cm, IP55	<b>357.00</b>	<b>1</b>
<b>DC-Boost converter</b> , for windMax500 and windMax1000, from 7Vdc up to 12V/24V/48V battery voltage, Pmax=58W	<b>120.00</b>	

<b>Type: Hydro MPPT charger</b>	<b>Price per unit</b>	<b>Deliv. time in weeks</b>
<b>hydroMax500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=20A/12.5A(@48V-System), Pgenerator=322W/617W/771W Alu enclosure: 22x18x8cm, IP65	<b>394.00</b>	<b>1</b>
<b>hydroMax1000</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V, with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=40A/25A @48V-System, Pgenerator=644W/1234W/1543W, Wall mounted enclosure: 30x30x15cm, IP55	<b>618.00</b>	<b>1</b>
<b>hydroMax1500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V, with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=60A/37.5A @48V-System, Pgenerator=967W/1851W/2314W, Wall mounted enclosure 30x30x15cm, IP54	<b>841.00</b>	<b>1</b>
<b>hydroMax2000</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V, with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=80A/50A @48V-System, Pgenerator=1289W/2468W/3085W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1319.00</b>	<b>3</b>
<b>hydroMax2500</b> MPPT Charge Controller, DC-Buck converter, Ugenerator-dcmax=200V, with 3 phase rectifier, load resistor output, Ubat=14.5V/29.0V/58.0V, Ibat=100A/62.5A @48V-System, Pgenerator=1611W/3085W/3856W, Wall mounted enclosure: 50x30x21cm, IP54	<b>1528.00</b>	<b>3</b>
<b>KTY10-5</b> Temperature sensor for MPPT Charger, IP65	<b>46.00</b>	<b>1</b>
<b>LCD-Matrix-Display</b> for Battery current, Battery voltage, Power, Udc-Generator voltage, Energy For hydroMax500 to hydroMax2500	<b>160.00</b>	<b>1</b>

Type: Hybrid MPPT Regler (Solar-Wind-Hydro)	Price per unit	Deliv. time in weeks
<b>Any combination is possible up to a total power of 5 kW and a current of 120A. Exemplarily some combinations are shown below.</b>		
<b>SWMR05k-05k</b> MPPT Solar Charge Controller SMR500 + MPPT Wind Charge Controller windMax500 each with DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier and load resistor output in windMax, Ubat=14.5V/29.0V/58.0V, Ibat=40A/25A(@48V-System), Wall mounted enclosure 30x30x15cm, IP55	<b>680.50</b>	<b>2</b>
<b>SWMR1k-1k</b> MPPT Solar Charge Controller SMR1000 + MPPT Wind Charge Controller windMax1000 each with DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier and load resistor output in windMax, Ubat=14.5V/29.0V/58.0V, Ibat=80A/50A @48V-System, Wall mounted enclosure: 50x30x21cm, IP54	<b>1079.50</b>	<b>2</b>
<b>SWMR1k5-1k5</b> MPPT Solar Charge Controller SMR1500 + MPPT Wind Charge Controller windMax1500 each with DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier and load resistor output in windMax, Ubat=14.5V/29.0V/58.0V, Ibat=120A/75A @48V-System, Wall mounted enclosure: 50x30x21cm, IP54	<b>1502.50</b>	<b>2</b>
<b>SWMR1k-05k</b> MPPT Solar Charge Controller SMR1000 + MPPT WindCharge Controller windMax500, each with DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier and load resistor output in windMax, Ubat=14.5V/29.0V/58.0V, Ibat=60A/37.5A @48V-System, Wall mounted enclosure: 30x30x15cm, IP54	<b>855.50</b>	<b>2</b>
<b>SWMR05k-1k</b> MPPT Solar Charge Controller SMR500 + MPPT Wind Charge Controller windMax1000, each with DC-Buck converter, Ugenerator-dcmax=200V, with 3phase rectifier and load resistor output in windMax, Ubat=14.5V/29.0V/58.0V, Ibat=60A/37.5A @48V-System, Wall mounted enclosure: 30x30x15cm, IP54	<b>905.50</b>	<b>2</b>
<b>KTY10-5</b> Temperature sensor for MPPT Charger, IP65	<b>46.00</b>	<b>1</b>
<b>LCD-Matrix-Display</b> for Battery current, Battery voltage, Power, Udc-Generator voltage, Energy	<b>160.00</b>	<b>1</b>