

# PV STORAGE INVERTER

Why feed electricity into the grid when you also can store it? The photovoltaic storage inverter system enables you to shelve solar power for later use. Increase your self consumption, reduce the grid load and make you independent from daylight and the power grid. Use your solar power when you really need it!



- ▶ Increase self consumption
- ▶ Solar power day & night
- ▶ Retrofit existing systems



## Main features

- ▶ DC coupled system for high efficiency
- ▶ charging battery from the grid side is possible
- ▶ for example with a wind turbine or retrofit existing systems
- ▶ PV inverter and battery charger integrated in one system
- ▶ further adjustments and options on request

## Technical Data

### INPUT

Max. PV input power 1800 W

MPPT voltage range 80...350 Vdc

Max. PV input voltage 450 Vdc

Max. PV input current 22.5 A

### OUTPUT

Nominal output power 1500 W

Max. output current 7.8 A

Reactive power 0.9 inductive...0.9 capacitive

Max. efficiency >97%









Nominal battery voltage 100V

Dimension 270x250x110 mm

Cooling Natural convection, no fan

Communication CAN

# PRODUCT OVERVIEW

									
<b>Semiconductors</b>									
High power diodes	•								
Intelligent Power Modules (IPM)		•							
IGBT-Modules	•	•							
Thyristors and IGCTs	•								
<b>Inductive Components</b>									
<i>Data transmission</i>									
Ethernet transceivers			•	•				•	
<i>High power and drives</i>									
3-phase high power chokes							•		
50/60 Hz transformers							•		
dv/dt filter and motor filter							•		
sine filter							•		
<i>Power supplies</i>									
Filter chokes				•		•		•	
High frequency transformers				•		•		•	
SMD chokes				•		•		•	
Storage chokes				•		•		•	
AECQ200 certified								•	
<b>Capacitors</b>									
Electrolyte capacitors					•				
Thin film capacitors					•				
Polymer capacitors					•				
Super capacitors "SLIM"-Typ					•				
<b>Sensors</b>									
Shunt resistors					•				
Hall based current sensors		•							
<b>Voltage converters</b>									
DC/DC for Point-of-Load (POL)				•					
DC/DC converters				•					
Power supplies (AC/DC)				•			•		
<b>Interconnection technology</b>									
Jacks (RJ45, RJ11, USB, HDMI, ...)			•						
Plugs (RJ45)			•						
<b>Thermal management</b>									
<i>Fans</i>									
EC fans (∅ 190-910mm)				•					
DC axial fans (∅ 25-225mm)				•					
DC radial fans (∅ 25-225mm)				•					
Automotive fans				•					
<i>Heat sinks</i>									
Thermo electrical coolers				•					
Heat exchangers				•					
<b>Engineering service</b>									
Battery chargers (industrial and automotive)									•
Power supplies (AC/DC und DC/DC)									•
Inverters									•
Technical consulting									•