



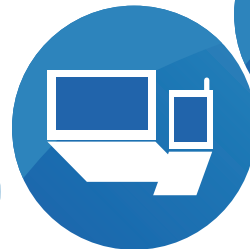
ACHE

Engineering

ReGenerator® SERIES

Agricultural / Commercial System **AEV HV EQ 2000-0 / 3000-0 / 6000-0**

- Up to 6000 kWh/per year
- Up to 100 % independence from external energy supplies
- Grid-connection possible
- Constant stable power output
- Various modular expansion possibilities
- Region optimized
- Pre-wired and easy to install
- High quality certified product



BASIC COMPONENTS IN DIFFERENT SIZES

- Premium Solar Panels
- Inverter
- Maintenance free Battery
- Pre-wired Cables

System Data

Power Class	2000 kWh/a	3000 kWh/a	6000 kWh/a
Continuous load at 25° standard / possible	2 kW / 4 kW	2 kW / 4 kW	2 kW / 4 kW
Maximum load for 3s	6 kW / 12 kW	6 kW / 12 kW	6 kW / 12 kW
Average daily output	6,79 kWh/d	13,05 kWh/d	27,16 kWh/d
Voltage AC	230 V	230 V	230 V
Current AC	10 A	10 A	10 A
Voltage DC	48 V	48 V	48 V
Current DC	40 A	60 A	60 A
Phase	1	1	3
Wave	Sinus	Sinus	Sinus

PV Generator

Performance	1,55 kW	3,0 kW	6,1 kW
Amount of modules	6 pieces	12 pieces	24 pieces
Module type	255 W	255 W	255 W
Required installation space	10 m ²	20 m ²	40 m ²
Location	Equatorial	Equatorial	Equatorial
Radiation at site	1620 kWh/(kWp*a)	1620 kWh/(kWp*a)	1620 kWh/(kWp*a)
Yearly performance at location	2479 kWh/a	4763 kWh/a	9914 kWh/a
Yearly performance at location after losses	1766 kWh/a	3393 kWh/a	7064 kWh/a

Battery Storage Data

Quantity of batteries	4 pieces	4 pieces	8 pieces
Capacity	120 Ah	200 Ah	200 Ah
Charging voltage	12 V	12 V	12 V
Charging current	40 A	60 A	60 A
System voltage	48 V	48 V	48 V
100% storage time	1 day	1 day	1 day

PERFORMANCE ENHANCEMENTS

Extended Battery
 Diesel generator
 Wind generator
 Fuel cell
 Grid integration

SERVICE

5 Years Warranty Europe
 10 Years Warranty Europe

EXTENSION SYSTEMS

Trailer system
 Anchoring package
 LED Lighting
 Mounting System roof / ground
 USB Port

COMMUNICATION

GSM module
 Network
 IP phone

