



# AEV-3048

HYBRID INVERTER WITH ENERGY STORAGE





## DATASHEET

### General

Model	AEV-3048
Dimension (D X W X H)	170 x 415 x 420 mm
Net Weight	15.5 kg

### Interface

Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus, and AS-400 cards available

### Ambient Conditions

Humidity	0 - 90% RH (No condensing)
Operating Temperature	0 To 40 °C
Protection Class	IP21

### Standards & Guidelines

Grid Regulation	VDE4105, VDE0126-1-1+A1, AS4777.2 / .3, IEC62109-2
Safety	IEC62109-1&-2, AS3100, IEC62040-1
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-3-11, EN61000-3-12

### Hybrid operation

#### PV Input (DC)

Maximum DC Voltage	500 Vdc
Nominal DC Voltage	360 Vdc
Start-up Voltage / Initial Feeding Voltage	116 Vdc / 150 Vdc
MPP Voltage Range	120 Vdc - 450 Vdc
Full MPP Voltage Range	250 Vdc - 450 Vdc
Maximum Input Current	1 / 1 x 18 A

#### Grid Output (AC)

Rated Power	3000 W
Nominal Output Voltage	208/220/230/240 Vac
Output Voltage Range	230 V / 184 - 264.5 V
Nominal Output Current	13.1 A
Power Factor	> 0.99
Grid Connection	One-phase

#### Battery Input (DC)

Nominal DC Voltage	48 Vdc
Maximum Charging Current	25 A
Maximum Discharging Current	50 A

#### Efficiency

Maximum Conversion Efficiency (PV-AC)	96%
Maximum Conversion Efficiency (Battery-Grid)	93%

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