

SMARTEN
YOUR
ENERGY



AEV-5048

HYBRID INVERTER WITH ENERGY STORAGE

DATASHEET

General

Model	AEV-5048
Dimension (W X D X H)	460 x 600 x 205 mm
Net Weight	29 kg

Interface

Communication Port	RS485 / USB2.0
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Ambient Conditions

Humidity	0 - 90% RH (No condensing)
Operating Temperature	-10°C To 55°C
Protection Class	IP20

Standards & Guidelines

Safety	IEC62109-1&-2, 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)

Max. Input PV Power	10000 W
Maximum DC Voltage	900 V
Nominal DC Voltage	720 V
Start-up Voltage	250 V
MPP Voltage Range	250 - 800 V
Maximum Input Current	2*10 A

AC Output (AC)

Rated Power	5000 W
Maximum Output Power	5.5 kW 1min 7.5 kW 30s 9 kW 1s
Nominal Output Voltage	230 V
Output Voltage Range	184 - 265 V
Nominal Output Current	21.8 A
Phase	Single-phase

Battery Input (DC)

Nominal DC Voltage	48 Vdc
Maximum Charging Current	100 A
Maximum Discharging Current	138 A

Efficiency

Maximum Efficiency	91%
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