

# Product data sheet

## Characteristics

# AEC-MGA-SCI0U85

Villaya MG08 – Solar Micro Grid 8,5kW



### Power characteristics

Inverter/Charger:	1 x Conext XW+ 8548 8,5kW
mono/tri phase	mono
Continuous Load	6800 W
Peak Load (30 minutes)	8500 W
Peak Load (5 Seconds)	12000 W
Output Voltage	230V AC
Output Frequency	50/60Hz (selectable)
Output wave form	Pure sine wave

### Battery Characteristics (Batteries not supplied)

Battery Voltage	48V DC
Compatible Battery types	FLA, Gel, AGM, Lithium ion, Custom

### Hybrid Characteristics

Hybrid Enabled	Yes
Hybrid (AC) inputs	Two
Input AC voltage range	230V AC +/- 3%

### Solar Characteristics

Charge Controller	1 x Conext MPPT 60-150
Maximum PV Array Current	60A
Maximum PV Array Open Circuit Voltage (Voc)	150V
Charging Technology	MPPT
Charging Current	60A
Charging Cycles	Choice of two (Bulk, Absorption) or three stage (Bulk, Absorption, Float)
Equalisation	Manual or Automatic
Digital display	Yes

### Protection

Isolation/Protection	Battery Bank, Solar Charge Controller, Solar Panels, Grid AC/Auxiliary Input, AC loads
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**Mechanical Specifications**

Enclosure Type	Metal, Free standing, hidden fixings, lockable doors
IP rating	IP20
Colour	Ral 9002 - grey white
Finish	Rough texture gloss
Panel Access	Front
Cable Entry: Incoming	Bottom and Top
Cable Entry: Outgoing	Bottom and Top

**Packaging Information**

Dimensions unpackaged (l x d x h) mm	1200 x 620 x 1600
(Approx) Dimensions packaged (l x d x h) mm	1206 x 632 x 1603
Weight packaged kg	200,8

**Options (at additional cost)**

Protection	Lightning protection on request
Monitoring	Remote monitoring - details on request
Inverter/Charger	Additional on request
Charge Controller	Additional MPPT on request
Generator Control	Automatic Generator Start on request

**Notes:**

- Villaya Microgrids can be customised to suit individual customer needs and requirements. For more information please contact your local Schneider Electric representative.