



**Power characteristics**

Inverter/Charger:	1 x Conext SW 4048 4kW
mono/tri phase	mono
Continuous Load	3400 W
Peak Load (30 minutes)	4000 W
Peak Load (5 Seconds)	7000 W
Output Voltage	230V AC
Output Frequency	50/60Hz (selectable)
Output wave form	Pure sine wave

**Battery Characteristics (Batteries not supplied)**

Battery Voltage	48 VDC
Compatible Battery types	FLA, Gel, AGM, Custom

**Hybrid Characteristics**

Hybrid Enabled	Yes
Hybrid (AC) inputs	One
Input AC voltage range	170-270V AC

**Solar Characteristics**

Charge Controller	1 x Conext C40
Maximum PV Array Current	40A
Maximum PV Array Open Circuit Voltage (Voc)	125V
Charging Technology	PWM
Charging Current	40A
Charging Cycles	Bulk, Absorption, Float
Equalisation	Manual or Automatic
Digital display	No

**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 door
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	650 x 620 x 1600
(Approx)Dimensions packaged (l x d x h) mm	656 x 632 x 1603
Weight packaged kg	121,2

**Options (at additional cost)**

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