



Power characteristics

Inverter/Charger:	3 x Conext XW+ 8548 8,5kW
mono/tri phase	mono or tri
Continuous Load	20400 W
Peak Load (30 minutes)	25500 W
Peak Load (5 Seconds)	36000 W
Output Voltage	230V AC (mono) or 415V AC (tri)
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	2 x Conext MMPT 80-600
Maximum PV Array Current (per MPPT)	35A
Maximum PV Array Open Circuit Voltage (Voc) (per MPPT)	600V
Charging Technology	MPPT
Charging Current (per MPPT)	80A
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
----------------------	--

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	1750 x 1240 x 1600
(Approx)Dimensions packaged (l x d x h) mm	1756 x 1252 x 1603
Weight packaged kg	316,6

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.