

Victron Backup Systems

Option	Description	Backup Power	Backup Energy	Price
0	Essentials	800W	1.5 kWh	R 20 400.00
1	Small House	2 kW	3.1 kWh	R 37 600.00
2	Medium House	3 kW	6.2 kWh	R 58 300.00
3	Medium House Plus	5 kW	6.2 kWh	R 96 600.00
4	Large House	8 kW	12.4 kWh	R 114 500.00
5	Large House Plus	10 kW	16 kWh	R 151 865.00



Notes

Complete installation up to DB board
Does not include any electrical work in DB and COC
Energy calculated at 70% Depth of Discharge

Victron PV Systems (DC Coupled)

Option	Description	Size	Panels	Average Daily Energy	Average Monthly Energy	Price
1	Small House	0.8 kWp	3	3.65 kWh	109.35 kWh	R 21 400.00
2	Medium House	1.6 kWp	6	7.29 kWh	218.70 kWh	R 30 160.00
3	Medium House Plus	3.2 kWp	12	14.58 kWh	437.40 kWh	R 63 100.00
4	Large House	4.9 kWp	18	21.87 kWh	656.10 kWh	R 91 700.00
5	Large House Plus	6.5 kWp	24	29.16 kWh	874.80 kWh	R 110 300.00

Notes

Mounting system for a pitched tile roof. Complete Installation up to DB Board. Excludes COC.
Requires a Victron or SMA Backup system to work.
Site visit required to get firm quote.
Excludes Delivery.



Complete Systems

System Number	Description	Backup System Size	Backup System Price	PV System Size	PV System Price	Total Price
1	Small House	2 kW	R 37 600.00	0.8 kWp	R 21 400.00	R 59 000.00
2	Medium House	3 kW	R 58 300.00	1.6 kWp	R 30 160.00	R 88 460.00
3	Medium House Plus	5 kW	R 96 600.00	3.2 kWp	R 63 100.00	R 159 700.00
4	Large House	8 kW	R 114 500.00	4.9 kWp	R 91 700.00	R 206 200.00
5	Large House Plus	10 kW	R 151 865.00	6.5 kWp	R 110 300.00	R 262 165.00

System Finance Cost

Cost per kWh	R	1.75
Interest Rate		10.5%
Deposit		10%
Term		84 Months

System Number	Description	Monthly Finance repayment	Monthly Savings on Electricity	Monthly Effective repayment
1	Small House	R 905	R 6	R 898.62
2	Medium House	R 1 357	R 13	R 1 344.24
3	Medium House Plus	R 2 451	R 26	R 2 425.49
4	Large House	R 3 161	R 38	R 3 122.73
5	Large House Plus	R 4 023	R 51	R 3 971.97

Standard System Number: 1
Standard System Name: Small House

System Specifications

Backup Power	2 kW
Backup Energy	3.1 kWh
Solar Power	0.81 kWp
Daily Solar Energy Avg	3.6 kWh
Monthly Solar Energy Avg	109.4 kWh

System Components

Component	Specification	Amount
PV Modules	Canadian Solar 270 W	3
Mounting System	Pitched Tile Roof	1
Solar Cables	6mm Red & Black Solar Cable	25
Charge Controller	Victron BlueSolar MPPT - 100 VDC max input,12/24 VDC, 50 A Output	1
Inverter	VICTRON MULTIPLUS-12V / 2000W / 80A	1
AC Cables	Surfex 10mm Flat Twin and Earth	10
Batteries	Deep Cycle Battery - 180 Ah	2
Solar Connectors	MC4 Solar Connection Set	1
DC Fuse	32 A Fuse	1
DC Surge Protection	Citel 150V DC	1
AC Surge Protection	Citel 220 V AC	2
Battery Stand	Battery Stand for 2 batteries	1
Earthing	Earth Rod & 6mm Wire 30m	1
Consumables	Hybrid System Consumables	1
Installation	Complete installation	1

Standard System Number: 2
Standard System Name: Medium House

System Specifications

Backup Power	3 kW
Backup Energy	3.1 kWh
Solar Power	1.62 kWp
Daily Solar Energy Avg	7.3 kWh
Monthly Solar Energy Avg	218.7 kWh

System Components

Component	Specification	Amount
PV Modules	Canadian Solar 270 W	6
Mounting System	Pitched Tile Roof	2
Solar Cables	6mm Red & Black Solar Cable	25
Charge Controller	Victron BlueSolar MPPT - 150 VDC max input, 12/24/36/48 VDC, 35 A Output	1
Inverter	Victron-MultiPlus 48/3000/35 Inverter/Charger	1
AC Cables	Surfex 10mm Flat Twin and Earth	10
Batteries	Deep Cycle Battery - 180 Ah	4
Solar Connectors	MC4 Solar Connection Set	1
DC Fuse	32 A Fuse	1
DC Surge Protection	Citel 150V DC	1
AC Surge Protection	Citel 220 V AC	2
Battery Stand	Battery Stand for 2 batteries	1
Earthing	Earth Rod & 6mm Wire 30m	1
Consumables	Hybrid System Consumables	1
Installation	Complete installation	1

Standard System Number: 3
Standard System Name: Medium House Plus

System Specifications

Backup Power	5 kW
Backup Energy	6.2 kWh
Solar Power	3.2 kWp
Daily Solar Energy Avg	14.6 kWh
Monthly Solar Energy Avg	437.4 kWh

System Components

Component	Specification	Amount
PV Modules	Canadian Solar 270 W	12
Mounting System	Pitched Tile Roof	3
Solar Cables	6mm Red & Black Solar Cable	25
Charge Controller	Victron BlueSolar MPPT - 150 VDC max input, 12/24/36/48 VDC, 70 A Output	1
Inverter	VICTRON MULTIPLUS 48/5000/70-100	1
AC Cables	Surfex 10mm Flat Twin and Earth	10
Batteries	Deep Cycle Battery - 180 Ah	4
Solar Connectors	MC4 Solar Connection Set	1
DC Fuse	32 A Fuse	2
DC Surge Protection	Citel 150V DC	2
AC Surge Protection	Citel 220 V AC	2
Battery Stand	Battery Stand for 4 batteries	1
Earthing	Earth Rod & 6mm Wire 30m	1
Consumables	Hybrid System Consumables	1
Installation	Complete installation	1

Standard System Number: 4
Standard System Name: Large House

System Specifications

Backup Power	8 kW
Backup Energy	12.4 kWh
Solar Power	4.9 kWp
Daily Solar Energy Avg	21.9 kWh
Monthly Solar Energy Avg	656.1 kWh

System Components

Component	Specification	Amount
PV Modules	Canadian Solar 270 W	14
Mounting System	Pitched Tile Roof	5
Solar Cables	6mm Red & Black Solar Cable	50
Charge Controller	Victron BlueSolar MPPT - 150 VDC max input,12/24/36/48 VDC, 70 A Output	2
Inverter	VICTRON MULTIPLUS 48/8000/70-100	1
AC Cables	Surfex 10mm Flat Twin and Earth	10
Batteries	Deep Cycle Battery - 180 Ah	8
Solar Connectors	MC4 Solar Connection Set	1
DC Fuse	32 A Fuse	2
DC Surge Protection	Citel 150V DC	2
AC Surge Protection	Citel 220 V AC	2
Battery Stand	Battery Stand for 4 batteries	1
Earthing	Earth Rod & 6mm Wire 30m	1
Consumables	Hybrid System Consumables	1
Installation	Complete installation	1

Standard System Number: 5
Standard System Name: Large House Plus

System Specifications

Backup Power	R	6.48
Backup Energy		16 kWh
Solar Power		6.5 kWp
Daily Solar Energy Avg		29.2 kWh
Monthly Solar Energy Avg		874.8 kWh

System Components

Component	Specification	Amount
PV Modules	Canadian Solar 270 W	24
Mounting System	Pitched Tile Roof	7
Solar Cables	6mm Red & Black Solar Cable	100
Charge Controller	Victron BlueSolar MPPT - 150 VDC max input, 12/24/36/48 VDC, 70 A Output	2
Inverter	VICTRON MULTIPLUS 48/10000/70-100	1
AC Cables	Surfex 10mm Flat Twin and Earth	10
Batteries	Deep Cycle Battery - 180 Ah	12
Solar Connectors	MC4 Solar Connection Set	1
DC Fuse	32 A Fuse	2
DC Surge Protection	Citel 150V DC	2
AC Surge Protection	Citel 220 V AC	2
Battery Stand	Battery Stand for 4 batteries	1
Earthing	Earth Rod & 6mm Wire 30m	1
Consumables	Hybrid System Consumables	1
Installation	Complete installation	1