



SOLAR ELECTRICITY

PHOTOVOLTAIC SYSTEMS

Portfolio of Projects

Having been in the photovoltaic industry since 2008, we have a deep understanding of the technology and design concepts involved, even as these continue to develop, and technology evolves.

To date, in our own right (excluding projects of our solution partners), we have a completed portfolio of photovoltaic projects spanning over 120 projects comprising over 1100 kWp (kilowatt peak) installed capacity, along with designed capacity of 6 MWp.

Currently we have a pipeline of projects at various stages of development, comprising 205 kWp installed capacity.

Completed Projects:

Project	Location	Date
3 kWp Grid tied PV with battery back-up 48V / 230 V single phase distribution	East London, RSA	Aug 2008
3 kWp Off grid PV 48V / 230V single phase distribution	Stutterheim, RSA	Sep 2008
Pre-Feasibility Study: 1 MW PV Plant	Igoda River, RSA	Mar 2009
12V Off grid PV- Peter van Kets' Trans-Atlantic solo crossing	Liberty Nyamezela Adventure Craft	Sep 2009
1 kW Off grid portable PV power supply 12V / 230V	Nqamakwe, RSA	Oct 2009
12V Off grid PV System	Queenstown, RSA	Apr 2010
Solar water pumping system (river to reservoir)	Mcleantown, RSA	Jul 2010
3kWp Off grid PV 48V / 230V single phase distribution - University of Potsdam (Berlin, Germany) Pilot Project	Jansenville, RSA	Apr 2011
14.4 kWp PV Carport - 3 Phase Grid feed	ACSA EL Airport, RSA	Oct 2011
400Wp Micro Wind Turbine Off grid PV hybrid	Cathcart, RSA	Jun 2012

Solar water pumping system (borehole to reservoir)	Butterworth, RSA	Aug 2012
480 Wp Off grid PV system	Stutterheim, RSA	Sep 2012
12 V PV System	Yacht Misky, East London, RSA	Jun 2013
8 kWp off grid PV 48V / 380V 3 phase distribution	Ugie, RSA	Aug 2013
3 kWp Off grid PV system, water harvesting, sterilisation, pressurisation and reticulation and water heating system - Oxfam Italia Project 1/6	Msombovu, RSA	Sep 2013
1.75 kWp Grid tied PV system, water harvesting, sterilisation, pressurisation and reticulation and water heating system - Oxfam Italia Project 2/6	Nomzamo, RSA	Oct 2013
24 kWp Grid feed PV System	East London, RSA	Nov 2013
3 kWp Grid tied PV / Diesel Hybrid System	East London, RSA	Mar 2014
3 kWp Off grid PV / 600 Wp Wind hybrid system - Oxfam Italia Project 3/6	Tyalomnqa, RSA	Aug 2014
24 kWp Off grid PV / diesel generator hybrid system, 48V / 380V 3 phase distribution	Situ Island, Mozambique	Sep 2014
2.1 kWp Off grid PV / diesel generator hybrid system, 48V / 230V single phase distribution	Wild Coast, RSA	Oct 2014
2.1 kWp Grid tied PV 48V / 230V single phase distribution - Oxfam Italia Project 4/6	Isibane, RSA	Oct 2014
2.1 kWp Grid tied PV 48V / 230V single phase distribution - Oxfam Italia Project 5/6	Nombasa RSA	Oct 2014
2.1 kWp Grid tied PV 48V / 230V single phase distribution - Oxfam Italia Project 6/6	Inkazimlo, RSA	Nov 2014
8 kWp grid feed system	East London, RSA	Nov 2014
12V PV Battery charging system	Yacht Aragon, East London, RSA	Nov 2014
Solar PV water pumping system (borehole to reservoir)	Stutterheim, RSA	Dec 2014

2.3 kWp Self consumption hub PV System	Chintsa, RSA	Dec 2014
3 kWp Self consumption hub PV System	Chintsa, RSA	Dec 2014
1kVA, 2 hour 12V UPS domestic essential load back up system for power outages	East London RSA	Dec2014
3kVA, 2 hour 196V UPS domestic essential load back up system for power outages	East London RSA	Dec 2014
3 kWp Grid tied PV 24V / 230V single phase distribution	Cape Town, RSA	Dec 2014
3 kVA, 2 hour 196V UPS commercial "mission critical" backup system for power outages	East London, RSA	Jan 2015
8 kWp Grid tied PV / 230V single phase distribution	East London, RSA	Jan 2015
5 kWp Grid tied PV 48V / 3 phase distribution with backup	East London, RSA	Feb 2015
7 kWp Grid tied PV / 230V single phase distribution	East London, RSA	Apr 2015
15 kWp Grid tied PV / 3 phase distribution	Brakfontein, RSA	Apr 2015
3 kWp Grid tied PV / 230 V single phase distribution	East London, RSA	May 2015
6.5 kWp Grid tied PV / 230V single phase distribution	East London, RSA	Jun 2015
3 kWp Grid tied PV / 230V single phase distribution	East London, RSA	Jun 2015
400w Off grid PV/ 230V distribution	East London, RSA	Jul 2015
4.5 kWp Grid tied PV / 230 V distribution	East London, RSA	Jul 2015
20 kWp Grid tied PV / 3 phase distribution	Brakfontein, RSA	Jul 2015
5kVA, 4 hour 196V / 230V domestic essential load back up system for power outages	East London, RSA	Jul 2015
5 kWp Grid Tied PV / 230 V distribution	Port Elizabeth	Mar 2016

5 kWp Grid Tied PV / 3 phase distribution	Port Elizabeth	Mar 2016
3 kWp Self Consumption hub PV system	Chintsa, RSA	May 2016
20 kWp Off grid School	Mount Ayliff	Jun 2016
24 kWp / 3 phase Self Consumption System	East London, RSA	Aug 2016
3 kWp / 230V Self Consumption System	East Coast Resorts, RSA	Dec 2016
14 kWp / 230V Self Consumption System	East Coast Resorts, RSA	Dec 2017
75 kWp Grid Tied system	Gauteng, RSA	Jan 2018
24 kWp Off Grid School	Kidds Beach, RSA	Feb 2018
5 kWp Grid Tie Extension	East London, RSA	Jun 2018
3 kWp Self Consumption Conversion	East London, RSA	Jul 2018
12V Off Grid extension	East London, RSA	Jul 2018
8 kWp 3 Phase Grid Tie	Kidd's Beach, RSA	Aug 2018
3 Phase 48 kWh Lithium Battery Conversion	East London, RSA	Oct 2018
3 kVA Hybrid Back Up System	East London, RSA	Nov 2018
5 kVA Off Grid / Diesel Hybrid	East London, RSA	Mar 2019
3 Phase Grid Tie	East London, RSA	Apr 2018
Remote Off Grid Reconfiguration	Wild Coast, RSA	June 2019
LiPO4 Battery Installation and Integration	East London, RSA	July 2019
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5kVA Grid Interactive Inverter	East London, RSA	Oct 2019
Replacement battery and Remote Comms	King Williams Town, RSA	Nov 2019
5 kVA LiPO4 Battery Back Up System	East London, RSA	Nov 2019
6 kVA LiPO4 Battery Back Up System	East London, RSA	Nov 2019
15kWp, 15 kVA Grid Tied LiPO4 System	East London, RSA	Feb 2020

10.5 kWp Roof mounted PV System	East London, RSA	Feb 2020
5 kVA LiPO4 Battery Back Up System	East London, RSA	Feb 2020
5 kVA Grid Tied LiPO4 ESS System	East London, RSA	Jun 2020
5 kVA Grid Tied LiPO4 ESS System	East London, RSA	Jun 2020
12kWp, 15 kVA Grid Tied LiPO4 System	East London, RSA	Jun 2020
5 kVA Grid Tied LiPO4 ESS System	East London, RSA	Aug 2020
30 kWh Lithium Battery Conversion	East London, RSA	Jul 2021
5kVA Hybrid Inverter, 5 kWh Lithium Battery	East London, RSA	May 2021
4 kWp solar added to 5kVA / 5 kWh back-up	East London, RSA	Feb 2021
10kWh LiPO4 battery added to 5kVA / 5 kWh back-up	East London, RSA	May 2021
LiPO4 battery replacement – Off grid	East London, RSA	Dec 2021
Conversion of Grid-tie Off-grid	East London, RSA	Dec 2021
LiPO4 Battery Conversion	Situ Island, Mozambique	Sep 2021
30 kVA Off-grid school (P1/3)	Kidds Beach, RSA	Dec 2021
5 kVA Grid tied system	East London, RSA	July 2021
5 kVA, 10 kWh Grid tied system	East London, RSA	May 2021
5 kVA Grid tie Inverter	East London, RSA	May 2021
5kWh, 10 kWh 4 kWp Grid tie system	East London, RSA	May 2021
5 kVA, 5 kWh Back up system	East London, RSA	Jun 2021
5 kVA, 5kWp, 10 kWh Grid tie system	East London, RSA	Dec2021
5 kWh, 4 kWp, 5 kWh grid tie system	East London, RSA	Jun 2021
15kVA 26kWh grid tie system	East London, RSA	Oct 2022
24kwp 10 kVA 20 kWh grid tie system	East London, RSA	Mar 2022
20 kWh 10 kVA Off grid system	Wild Coast, RSA	Mar 2021
5kVA Inverter addition	East London, RSA	Jun 2022

5 kWh LiPO4 battery replacement	Wild Coast, RSA	Jun 2022
10kWh LiPO4 battery replacement	Wild Coast, RSA	Jun 2022
Off grid remote entry system	Wild Coast, RSA	Jun 2022
5kVA 10kWh 4 kWp Grid ties system	East London, RSA	Jul 2022
500kWp Roof top solar system	East London IDZ, RSA	Nov 2021
40 kWp Roof top solar system	East London, RSA	Jul 2021
5kVA, 10 kWh 4.6 kWh Grid tie system	East London, RSA	Mar 2023
30 kWh LiPO4 battery replacement	East London, RSA	Apr 2023
10 kVA system enhancement	Kidds Beach, RSA	Apr 2021
10 kVA system enhancement	East London, RSA	Apr 2023
5 kVA 5 kWh 10 kWh grid tie system	East London, RSA	Apr 2023
24 kWp 16 kVA 26kWh grid tie system	East London, RSA	Jun 2023
5 kVA 5 kWp 10 kWh grid tie system	East London, RSA	Jul 2023
12 kWp PV addition	Wild Coast, RSA	July 2023
4 kWp PV addition	Wild Coast, RSA	July 2023
450/200 MPPT Replacement	East London, RSA	Aug 2023
5kVA 5kWp 10 kVA grid tie system	Kleinemonde, RSA	Sep 2023

Projects under way / in development:

What	Where	
5 kVA 5 kWp 10 kWh Grid Tie System	East London, RSA	2023
30 kVA 24 kWp 120 kWh Off Grid System	Flagstaff, RSA	2023
175 kWp Grid tie system	Sandton, RSA	2023
30 kVA 15 kWp 60 kWh Off Grid System	East London, RSA	2023

Proudly associated with:



MASTER ELECTRICIAN
Installations, Repairs & Maintenance

