

Global Leaders Primary School Solar Systems Installation Report



Classrooms & Computer Lab

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Inverters	1	7.2kva	Outback	Alpha OutBack
Batteries	16	200	Eastman	GEL
Panels	24	320	PV Tech	Monicrystalline
Earthing	1	1unit	CHINT	B22
Flood/Security Lights	10	30W	LUCECO	CHINT
Light Bulbs & Ceiling Roses	54	9W	LUCECO	Slim Line
AC Outlets	24	1 port	CHINT	G42700 13A
	2	2 ports	ADMORE	ATEL
Remote Monitoring Capacity	1	Bluetooth, Cloud	Outback	Alpha OutBack
Battery Rack	1	Standard	Roofings gp	Fabricated
Panel Frame	24	Standard	Roofings gp	Fabricated
Change Over Switches	5	Hybrid	CHINT	Hybrid

Pictures of Components and Installation



Battery & Inverter Station
at classroom & Lab Unit



24 pcs of 320w panels mounted on classroom
roof for classroom & Lab Unit.



Lights in a classroom and the front &
behind views of classrooms at CCLu

Staff Houses

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Inverters	1	3kva	Outback	Alpha OutBack
Batteries	6	200ahr	Eastman	GEL
Panels	8	320W	PV Tech	Monicrystalline
Earthing	1	1unit	CHINT	CHINT
Flood/Security Lights	5	20W	LUCECO	SLIM LINE
	3	30W	LUCECO	SLIM LINE
Light Bulbs & Ceiling Roses	36	5W	CHINT	MEGAMAN
AC Outlets	24	1 port	CHINT	G42700 13A
Remote Monitoring Capacity	1	Bluetooth	OutBack	Alpha OutBack
Battery Rack	1	Standard	Roofings gp	Fabricated
Panel Frame	8	Standard	Roofings gp	Fabricated

Components & Installation Pictures for SHu



Installation of the 8pcs 320w panels at SHu



Light behind a block & at Toilet SHu



30w flood security lights facing the compound, SHu

Dylan Hall (Boys Dormitory)

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Inverters	1	3kva	Outback	Alpha OutBack
Batteries	6	200ahr	Eastman	GEL
Panels	8	320W	PV Tech	Monicrystalline
Earthing	1	1unit	CHINT	CHINT
Flood/Security Lights	2	20W	LUCECO	SLIM LINE
	4	30W	LUCECO	SLIM LINE
Light Bulbs & Ceiling Roses	34	5W	CHINT	MEGAMAN
AC Outlets	4	1 port	CHINT	G42700 13A
Remote Monitoring Capacity	1	Bluetooth	OutBack	Alpha OutBack
Battery Rack	1	Standard	Roofings gp	Fabricated
Panel Frame	8	Standard	Roofings gp	Fabricated

Components & Installation Pictures for DHu (Boys' Dormitories)



Inverter reading showing loads, battery charge level and output of 230v with AC



Security lights in front of Dylan Hall



Installed bulbs inside the dormitories

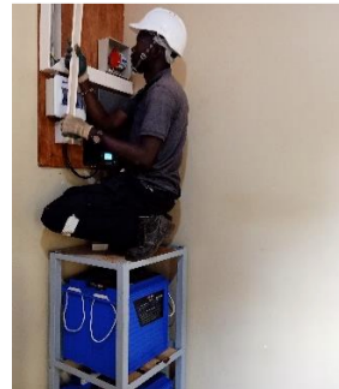
Ingrid Hall (Girls Dormitory)

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Inverters	1	3kva	Outback	Alpha OutBack
Batteries	6	200ahr	Eastman	GEL
Panels	8	320W	PV Tech	Monicrystalline
Earthing	1	1unit	CHINT	CHINT
Flood/Security Lights	2	20W	LUCECO	SLIM LINE
	4	30W	LUCECO	SLIM LINE
Light Bulbs & Ceiling Roses	34	5W	CHINT	MEGAMAN
AC Outlets	4	1 port	CHINT	G42700 13A
Remote Monitoring Capacity	1	Bluetooth	OutBack	Alpha OutBack
Battery Rack	1	Standard	Roofings gp	Fabricated
Panel Frame	8	Standard	Roofings gp	Fabricated

Components & Installation Pictures, IHu (Girls' Dormitories)



Light in front & behind the girls' dormitory



Batteries & Inverter installation



Wiring of the girls 'dormitory.

Clinic & Office Unit

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Inverters	1	3kva	Outback	Alpha OutBack
Batteries	4	200ahr	Eastman	GEL
Panels	6	320W	PV Tech	Monicrystalline
Earthing	1	1unit	CHINT	CHINT
Flood/Security Lights	4	30W	LUCECO	SLIM LINE
Light Bulbs & Bulb Handles	4	5W	LUCECO	MEGAMAN
AC Outlets	1	1port	CHINT	G42700 13A
	5	2port	ADMORE	ATEL
Remote Monitoring Capacity	1	Bluetooth	OutBack	Alpha OutBack
Battery Rack	1	Standard	Roofings gp	Fabricated
Panel Frame	6	Standard	Roofings gp	Fabricated
Change Over Switches	5	Hybrid	CHINT	Hybrid

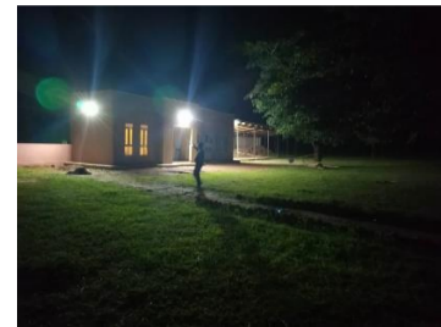
Components and Installation Pictures, COU



Switch for the interior bulbs



Surge Arrester (red) & DC breaker and lightning protection system installation at the Clinic/office block



Interior & exterior lights at the clinic/office

Compound Lights

Components	Installed Quantity (IQ)	Installed Capacity (IC)	Manufacturer	Type
Streetlights	4	30W	UltraSolar	UltraSolar UK

Pictures of the Streetlights

