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Our ref PGuide; S&HP AC Coupled Hybrid

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Hybrid Solar Power Supplies

On grid solar power supplies invert solar power from DC to AC in conformity with the mains (grid) supply and thus act as an augments of the grid supply. In this way they act to reduce power consumed from the grid during the day. Each system is fitted with a power meter which curtails solar power so that there is no export

You can add a battery system to the installation to consume excess power during the day and avail it at night. This then becomes an AC coupled Hybrid solar power supply. This battery system can also act as back up, when the grid is unavailable.

The package costs include installation within Greater Nairobi.

Below are examples of available systems

Items in the quote	Features of the Kit	Cost (Kshs)
<u>S&HP41</u> <ul style="list-style-type: none"> 2.2 KWp Solar PV. Supply Large house 	<ul style="list-style-type: none"> Generates an average 218 KWhr (Kshs 4,400) per Month. 2.2 KW Solax grid tied inverter. 3 KW Battery inverter 4 X 200 AH Sealed maintenance free batteries 	516,216
<u>S&HP42</u> <ul style="list-style-type: none"> 3.3 KWp Solar PV. Ideal for small businesses. 	<ul style="list-style-type: none"> Generates an average 327 KWhr (Kshs 6,500) per Month. 3 KW Solax Hybrid inverter. Continues to convert solar power in the absence of the grid. 4 X 200 AH Sealed maintenance free batteries 	748,080
<u>S&HP43</u> <ul style="list-style-type: none"> 3.3 KWp Solar PV. Ideal for small businesses. 	<ul style="list-style-type: none"> Generates an average 327 KWhr (Kshs 6,500) per Month. 3 KW SMA Sunny Boy 3.0-1AV-40 grid tied inverter. 3 KW SMA Sunny Island 4.4M-11 Battery inverter Continues to convert solar power in the absence of the grid. 4 X 200 AH Sealed maintenance free batteries 	1,095,186

Below is a list of key items that make up each power supply

 <p>Amerisolar Solar PV modules</p>	 <p>Solax Grid Tied Inverter</p>	 <p>Solar X Hybrid Ready Inverter</p>
	 <p>SMA Sunny Island Inverter</p>	 <p>SolaX Battery Management unit (BMU)</p>
 <p>SMA Sunny Boy 3.0 inverter</p>	 <p>MUST EP3024 Inverter.</p>	 <p>Sealed Lead Acid Battery</p>

Please note

- We **Warrant** the Solar PV modules for 5 years and the rest of the installation for 1 year.
- Our usual terms are 70% payment before installation and 30% payment after commissioning.