■ Issue 07 December 2018 ■



# VANUATU RURAL ELECTRIFICATION PROGRAM

Approved Solar Home Systems (SHS) & Micro Grids Eligible for Subsidies under VREP I & II



Published and Printed by the Department of Energy. This catalogue supersedes Issues 6.

PRODUCT CATALOGUE

## VANUATU RURAL ELECTRIFICATION PROGRAM (VREP) I PROGRAM INFORMATION



## Quality solar products are now more affordable. With the VREP subsidy, you pay only half.

#### How does the half price subsidy work?

The Department of Energy has secured funding from the New Zealand Government to help rural people access home solar systems at an affordable price.

The "Plug and Play" solar systems listed in this catalogue are available now from Vanuatu Rural Electrification Program (VREP) vendors.

The Department of Energy, through funding from the New Zealand Government, has paid half for these products. Now you only need to pay half to own a quality solar system. Only products listed in this catalogue are eligible for the half price subsidy.

#### Who is eligible?

The VREP subsidy is now available to all households, aid posts and community halls through out Vanuatu.

#### How do I buy the products?

- Only products listed in this catalogue are eligible for the half price subsidy.
- Select the product (or products) from this catalogue you think will suit your requirements and budget.
- Contact the Vendors selling those products at the distribution point nearest to your location.
- It is recommended that you do obtain prices for similar products from the different vendors.

## VANUATU RURAL ELECTRIFICATION PROGRAM (VREP) I PROGRAM INFORMATION

#### **Payment Options**

- 1 Pay Outright: Beneficiary pays the full purchase price amount in cash.
- 2 Lay-By: Beneficiary pays required deposit and pays off the outstanding amounts in instalments within a specified period. The beneficiary will own the product after the final instalment is made.
- 3 Hire Purchase: Beneficiary takes possession of the VREP product upon paying the required deposit and completes paying the remaining outstanding through a series of instalments. Ownership of the product remains with the vendor until the final instalment is paid.
- 4 Pay-As-You-Go (PAYG): Beneficiary takes possession of the VREP product and a product unlock code is provided upon the first payment. The code is then entered and product is used until code expires. The product is permanently unlocked after the beneficiary makes the final payment.

Note: Follow payment options numbering on product specification page (pg 4-12) to see which options are available for which product.

#### What happens when I buy a product?

- You will only pay 50% of the price.
- The receipt will show the full price and the discounted price you paid.
- The seller must explain to you:
  - How to install the system.
  - The warranty information,
  - What to do if there is a problem,
  - How to safely dispose of the battery when purchasing a new one.
- You must sign the receipt and a declaration form or signed up agreement for payment plan that the above has been explained.
- You will provide the following information to the Vendor:
  - Name of beneficiary;
  - Name of head of household;
  - Name of aid post or community hall; (if relevant)
  - Village and Island name and any other relevant details for locating the household, aid post or community hall; and

- Contact details-(preferably a mobile phone number).
- In the weeks after purchasing the system you might be contacted by an Independent Verification Agent whose role it is to verify that the vendor has made the sale when they are applying for their subsidy.



#### 2 year warranty

- The products in this catalogue are covered by a two year warranty. If a product has failed it should be replaced within the warranty period.
- If you have a problem with the products, you must contact the Vendor/Seller. They will ask you some questions to gain a full understanding of the problem.
- If you get no satisfaction with Vendor/Seller after a reasonable period, then contact:

VREP Program Manager, Department of Energy **Telephone:** +678 25201

Mobile: 7101141

Email: vrep@vanuatu.gov.vu

#### **Greenlight Planet SK60**







6.3 Watts



3 Lights, 5.6 hours of operation each at full brightness



1 Mobile charging point





#### **Barefoot Connect 600**







6.6 Watts



4 Lights, 6.3 hours of operation each



2 Mobile charging points



NORMAL PRICE VT 21.000 YOU PAY VT 10.500



#### **Omnivoltaic HS2-36 LB1122**







\* Conditions Apply



10 Watts



4 Lights, 6 hours of operation each



1 FREE Torch + 1 FREE Radio



2 Mobile charging points

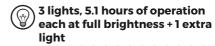


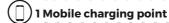
#### Sun King Home 120













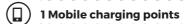


#### **Omnivoltaic LUMN M600**













#### **NIWA ENERGY 50 - 20 WATT**













\* Conditions apply



#### **Savvy Solar Lighting Kit - SLK6020**







20 Watts



6 Lights, 5.3 hours of operation each

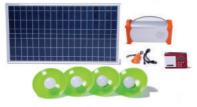


2 Mobile charging points

NORMAL PRICE VT 19,800 SA YOU PAY VT 9,900

#### Omnivoltaic HS2-108\_LB2244







28 Watts



4 Lights, 9 hours of operation each



1 FREE Torch + 1 FREE Radio



2 Mobile charging points



\* Conditions apply



#### **Barefoot Connect 3000**







30 Watts



4 Lights, 6 hours of operation each



2 Mobile charging points

NORMAL PRICE VT 42,000 YOU PAY VT 21,000



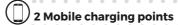
#### Fosera LSHS 10500 Expert Lighting







3 Lights, 16.6 hours of operation each + 1 extra light



1

NORMAL PRICEVT 35,000

YOU PAY VT 17,500



#### D. Light Design X850







38 Watts



5 lights, 6.2 hours of operation each



3 Mobile charging points



1 TV 19 inch



1 Torch + 1 Radio

PAY AS YOU GO OPTION (PAYG)

DEPOSIT + 24 MONTHS TOTAL - 24 MONTHS

VT 1,500 Per Month VT 41,000

Conditions apply

NORMAL PRICE VT 79,995 YOU PAY VT 39,997



#### **SUN KING HOME 400**





38 Watts



5 lights, 9 hours of operation each



2 Mobile charging points



1 TV 19 Inch



1 Torch + 1 Radio

NORMAL PRICE VT 48,200 YOU PAY VT 24,100



#### D. Light Design X1000





38 Watts



5 lights, 10 hours of operation each



3 Mobile charging points



1 TV 24 inch



1 Torch + 1 Radio



NORMAL PRICE VT 100,300 YOU PAY VT 49,995



#### **NIWA ENERGY 50 - 50 WATT + 24" TV**







)48 Watts



3 lights, 41 hours of operation each



2 Mobile charging points



1 TV 24 Inch



NORMAL PRICE VT 67,300 YOU PAY VT 44,500



#### **NIWA ENERGY 50 - 50 WATT + 32" TV**





48 Watts



3 lights, 41 hours of operation each



2 Mobile charging points



1 TV 32 inch

4	l)		PAY AS YOU GO OP	TIOI	N (PAYG)	
	DEPOSIT	5 MONTHS	TOTAL - 5 MONTHS	OR	II MONTHS	TOTAL -II MONTHS
	VT 13,400	VT 10,000/M	VT 64,800	UK	VT 5,300/M	VT 73,100

NORMAL PRICE VT 72,200 CTECH
YOU PAY VT 49,400 VANUATU
Soler Power provided Mong you

<sup>\*</sup> Conditions apply

#### Savvy Solar Lighting Kit - SLK6050







)51 Watts



6 lights, 14 hours of operation each



2 Mobile charging points



1 TV 28 Inch





NORMAL PRICE VT 33,800 without TV YOU PAY VT 16,900 without TV

SAVVY SOLAR YUMI SAVE SOLA

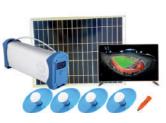
NORMAL PRICE VT 63,800 with TV YOU PAY VT 46,900 with TV

NORMAL PRICE YT 106,400 WITH TV AND KOGAN MINI PC YOU PAY YT 89,500 WITH TV AND KOGAN MINI PC

#### Omnivoltaic HS2B-144\_LB1122\_TV24



\* Conditions apply





55 Watts



4 Lights, 18 hours of operation each (lights only)



1 FREE Torch



2 Mobile charging points



1 TV 24 inch

4	PAY AS YOU	GO OPTION (PAYG)			
DEPOSIT	5 MONTHS	TOTAL - 5 MONTHS	ΔĐ	II MONTHS	TOTAL -11 MONTHS
VT 15,900	VT 10,700/M	VT 69,400	OR	VT 5,700/M	VT 78,600

NORMAL PRICE VT 77,800 YOU PAY VT 52,950



#### **MOBISOL 120 WATT**





120 Watts



5 Lights, 18 hours of operation each (lights only)

. . . . . . . . .



2 Mobile charging points



1 TV 32 inch



1 FREE PICO LIGHT + RADIO + **LAPTOP CHARGER** 







#### **MOBISOL 200 WATT**





200 Watts



6 Lights, 36 hours of operation each (lights only)



2 Mobile charging points



1 TV 49 inch



1 FREE PICO LIGHT + RADIO + **LAPTOP CHARGER** 







#### **VREP I PRODUCT BENEFITS**

- ★ Low cost, high quality products
- ★ Complete systems providing everything you need in one box
- ★ Internationally certified products
- ★ Bright, efficient lights
- ★ Easy to install "Plug and Play" systems
- **★** Portable
- ★ Safe for children and households



#### APPROVED VREP I VENDORS / COMPANIES









#### **Computer World**

**Contact: Eyal Tendler** 

PO Box 3253

USP Roundabout | Champagne Estate

Port Vila, Vanuatu Office: 22233 Email: sales@cw.vu

#### eTech (Vanuatu) Limited

Sales Representatives

Losena Bani 5328456

Email: solarsales@etech.com.vu

Port Vila Office

Address: PO Box 694

La Rock Terrasse Building, Lini Highway, Port Vila,

Vanuatu

Ph: 26933 / 23800 (next to Medical Centre)

Santo Office

Level 1, VNFP Building, Main Street Luganville,

Santo, Vanuatu Ph: 36977

#### **PCS Limited**

Contact: Sallyann Tanabose / Jenifer Natou

PO Box 3553 Kumul Highway Port Vila, Vanuatu Office: 25945 Mobile: 5573812

Email: info@pcspacific.com / admin@pcspacific.com

#### **Savvy Solar**

Contact: Charles Davies PO Box 2012

Champagne Estate Port Vila, Vanuatu

Mobile: 7776662 | 7364630

Email: savvysolarvanuatu@gmail.com

## VANUATU RURAL ELECTRIFICATION PROGRAM (VREP) II PROGRAM INFORMATION

### VANUATU RURAL ELECTRIFICATION PROJECT (VREP) II SOLAR HOME SYSTEMS AND MICRO GRIDS

The Vanuatu Government has secured funding from the World Bank, New Zealand Government through the Pacific Regional Infrastructure Facility (PRIF) and Scaling Up Renewable Energy Program in Low-Income Countries (SREP) to subsidize Solar Home Systems (SHS) and Micro Grids for Households, Public Institutions or Businesses located in dispersed off-grid areas of Vanuatu. The vendors/companies and SHS and micro grids published in this Product Catalogue are those approved as eligible for subsidy through VREP II and met the product and installations specifications referred to in the VREP Subsidy Implementation Manual (SIM).

Subsidy for SHS and Micro grids will be provided at 33% of the total costs of the approved systems (including installation). All systems approved are high quality systems which their key components have met requirements stipulated by DoE. All systems components come with a minimum of 2 years warranty and above.

To purchase a system eligible for the subsidy, customer choses which products suitable for their needs and budget having consulted the approved companies. Customer then pays the 67% of the cost through either cash or other payment arrangements. The approve vendor then invoices DoE for the remaining 33% on behalf of the Customer. A sample of systems will be physically inspected as part of verifying the systems.

#### VREP II SOLAR HOME SYSTEM (SHS) PRODUCT SPECIFICATIONS

#### **PRE-ASSEMBLED SYSTEMS**

PCS - 292Wh AC





150 Watts



Battery Voltage 12V Battery capacity 114Ah



292Wh / Day AC



3 Days Autonomy @ 60%



250W Inverter

NORMAL PRICE VT 105,000 YOU PAY VT 70,000



#### PCS 325Wh DC





150 Watts



**Battery Voltage 12V Battery capacity 114Ah** 



325Wh / Day DC



3 Days Autonomy @ 60%

NORMAL PRICE VT 84,000 YOU PAY VT 56,000



#### ETECH 318 WH DC





150 Watts



**Battery Voltage 12V Battery Capacity 150 Ah** 



318 Wh / Day DC



3.4 Days Autonomy @ 60%





#### ETECH 600WH DC ONLY OR 540WH AC ONLY





270 Watts



**Battery Voltage 12V Battery capacity 260Ah** 



600Wh / Day DC only or 540Wh / Day **AC only** 



3.1 Davs Autonomy @ 60%





#### PCS 454Wh AC





270 Watts



**Battery Voltage 12V Battery Capacity 228Ah** 



454Wh /Day AC



3 Days Autonomy @ 60%



**300W Inverter** 



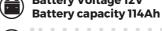
NORMAL PRICE VT 181,500 YOU PAY VT 121,000



#### PCS 504Wh DC















#### Savvy Solar 148Wh DC + 400Wh AC

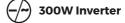








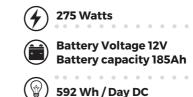






#### Savvy Solar 592Wh DC









#### **VENDOR INSTALLED SYSTEMS**

#### ETECH 1200WH DC ONLY OR 1080WH AC ONLY





540 Watts (2 X 270 Watts)



**Battery Voltage 12V Battery capacity 260Ah** 



1200Wh / Day DC only or 1080Wh / Day AC only



3.1 Days Autonomy @ 60% . . . . . . . . . . . . .





#### PCS 907Wh AC





550 Watts (2 x 275 Watts)



**Battery Voltage 24V Battery Capacity 228Ah** 



907Wh /Day AC



3 Days Autonomy @ 60%



1200W Inverter





#### **VENDOR INSTALLED SYSTEMS**

#### **PCS 1085Wh AC**





550 Watts (2 x 275 Watts)



Battery Voltage 24V Battery Capacity 456Ah



1085Wh /Day AC



5 Days Autonomy @ 60%

. . . . . . . . . . . . .



1200W Inverter



NORMAL PRICE VT 500,000

YOU PAY VT 333,333



#### **PCS 1850WH AC**





915 Watts (3 X 305 Watts)



Battery Voltage 24V Battery capacity 456Ah



1850Wh / Day AC



3 Days Autonomy @ 60%



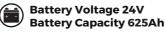


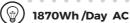
#### **VENDOR INSTALLED SYSTEMS**

#### **PCS 1870Wh AC**

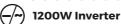












NORMAL PRICE VT 740,345 You pay vt **493.563** 



#### ETECH 2400WH DC OR 2160WH AC





1080 Watts (4 X 270 Watts)



Battery Voltage 24V Battery capacity 523Ah



2400Wh / Day DC or 2160Wh /Day AC



3.1 Days Autonomy @ 60%

NORMAL PRICE VT 849,253 YOU PAY VT **566,169** 

#### **VENDOR INSTALLED SYSTEMS**

#### PCS 2249Wh AC







(g) 2249Wh /Day AC

3.3 Days Autonomy @ 50%

(-/~) 1600W Inverter

NORMAL PRICE VT 860,000 You pay vt **573,333** 



#### **SAVVY 2131WH AC**







(g) 2131Wh / Day AC

3 Days Autonomy @ 60%

NORMAL PRICE VT 930,000 YOU PAY VT 630,000

#### **VENDOR INSTALLED SYSTEMS**

#### **SAVVY 2388WH AC**















#### **VREP ACCESSORIES**

#### **ETECH SOLAR**

LED Bulb - 4W

Accessory Pricing and Application

Accessory Pricing and Application

Price

Description

Price

100L Freezer (Freezer Only)

95L Fridge (Fridge Only)

96L Fridge (Fridge Only)

96L Fridge (Fridge Only)

97.800

98.000

98.000

98.000

98.000

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#### VREP ACCESSORIES

#### **PCS SOLAR**

**Accessory Pricing and Application** PCS Solar

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Description	Price	Layby	135	325	RSO	SOS	80	100	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<b>1</b>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
40L Fridge	vt 65,000										
Deep freezer 108L	vt 53,320							•		•	•
Deep freezer 268L	vt 67,830										
Deep freezer 486L	vt 113,050										
Rice cooker							•			•	•
Electric kettle							•			•	•
Mobile charger			•	•	•	•	•	•	•	•	•
TV							•		•		•
Laptop			•		•		•	•	•	•	•
Desktop computer			•		•		•	•	•	•	•
Printer											•
Bulb w fitting	vt 2,000		•	•	•	•	•	•	•	•	•
AC Fluro 2ft	vt 2,500		•	•	•	•	•	•	•	•	•
DC Tube 1ft	vt 2,000		•	•	•	•	•	•	•	•	•
Standing Fosera DC Fan	vt 5,000			•	•	•		•	•	•	•





#### **CONTACT VREP**

Program Manager, Department of Energy PMB 9067 Port Vila

**Telephone:** +678 25201 **Mobile:** 7101141

Email: vrep@vanuatu.gov.vu
Web: www.doe.gov.vu

#### APPROVED VREP II VENDORS / COMPANIES



#### eTech (Vanuatu) Limited

Sales Representatives Losena Bani 5328456

Email: solarsales@etech.com.vu

Port Vila Office

Address: PO Box 694

La Rock Terrasse Building, Lini Highway, Port Vila,

Vanuatu

Ph: 26933 / 23800 (next to Medical Centre)

Santo Office

Level 1, VNFP Building, Main Street Luganville,

Santo, Vanuatu Ph: 36977

#### **PCS Limited**

Contact: Sallyann Tanabose / Jenifer Natou

PO Box 3553 Kumul Highway Port Vila, Vanuatu Office: 25945

Mobile: 5573812

## Contact: S PO Box 35 Kumul Hig Port Vila, \

Email: info@pcspacific.com / admin@pcspacific.com

#### **Savvy Solar**

Contact: Charles Davies PO Box 2012 Champagne Estate Port Vila, Vanuatu

Mobile: 7776662 | 7364630

Email: savvysolarvanuatu@gmail.com

