

Procos Energy Solutions
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PES PV SYSTEMS		KIT 1: TV & Lights			
Description		Qty	Price, excl. VAT		Price, incl. VAT
305w PV Module	305	1	R	2,089.00	R 2,402.35
Royal 1150K 100Ah Battery	100	1	R	1,841.00	R 2,117.15
Victron Phoenix 375w/12VDC Inverter	375	1	R	1,521.00	R 1,749.15
Victron MPPT Reg 75/15		1	R	1,104.00	R 1,269.60
Single Battery Monitor with Alarm		1	R	288.25	R 331.49
PV cable set 5m + MC4 connectors		1	R	305.00	R 350.75
DC double pole DIN Isolators 30A + rail		2	R	387.00	R 890.10
Mounting board, wiring, assembly		1	R	756.00	R 869.40
System Performance	Watts	System Total incl. VAT R 9,979.99			
Max Power generated per day (full sun)	1220				
Power available in batteries to 50% SOC*	600				
Max peak power available from Inverter	750				
Appliances that can operate on system	Watts	hrs	Power used		*SOC = State of Charge
32" Flat screen TV	70	5	350		
DStv Decoder	10	5	50		
3 x 5w LED A60/E27 lamps	15	4	60		
2 x Cell phone charging @ 20w/unit	40	2	80		
Inverter power	135				
Power/day			540		
PES PV SYSTEMS		KIT 2: Fridge, TV & Lights			
Description		Qty	Price, excl. VAT		Price, incl. VAT
305w PV Module	305	3	R	2,288.00	R 7,893.60
Ceal NXT200 AgM Battery 200Ah Battery	100	2	R	4,967.00	R 11,424.10
Victron Phoenix 24/800 Inverter		1	R	3,432.00	R 3,946.80
Victron MPPT 150/35		1	R	3,678.00	R 4,229.70
Battery cables, PV Cables 5m Set + conn		1	R	563.00	R 647.45
Dual Battery Monitor with Alarm		1	R	491.74	R 565.50
Mounting board, frame & PV mod supports		1	R	756.00	R 869.40
System Performance	w	System Total incl. VAT R 29,576.55			
Max Power generated per day (full sun)	4026				
Power available in batteries to 50%SOC	1200				
Max peak power available from Inverter	1600				
Appliances that can operate on system	w	hrs	Power used		*SOC = State of Charge
Fridge: Class A up to 210l	70	15	1050		
32" Flat screen TV	70	6	420		
DStv Decoder	15	24	360		
5 x 11w CLF energy saving lamps	55	5	275		
2 x Cell phone charging @ 20w/unit	40	2	80		
Total power used per day	250				
Power/day			2185		