

prolink

SISTEM OPERASI PANEL SURYA

**Memaksimalkan penyerapan
sinar matahari!**



EFISIENSI ENERGI, HEMAT LISTRIK HINGGA 50%

Mengoptimalkan pemanfaatan energi surya sebagai bentuk kontribusi dalam mengurangi emisi karbon dan biaya energi.

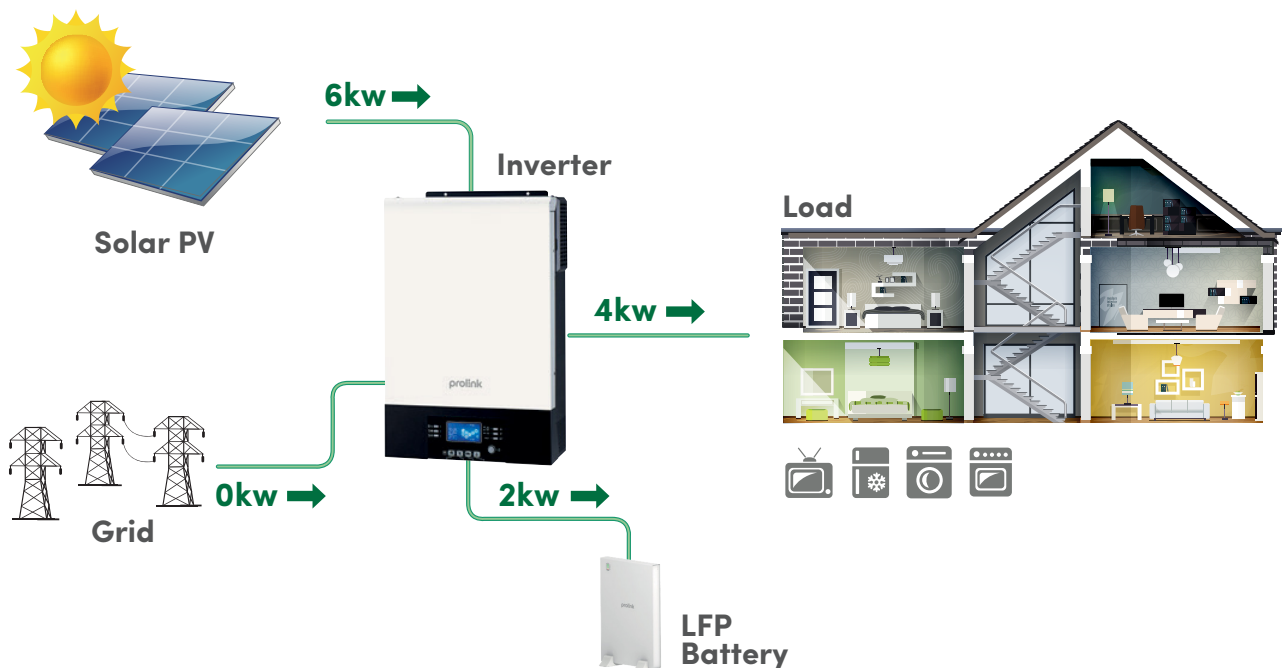
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Sistem Operasi pada Solar Cell

Pada saat terik matahari, radiasi matahari berada pada puncaknya, yang berarti produksi energi dari panel surya maksimal. Sistem operasional biasanya mencakup:

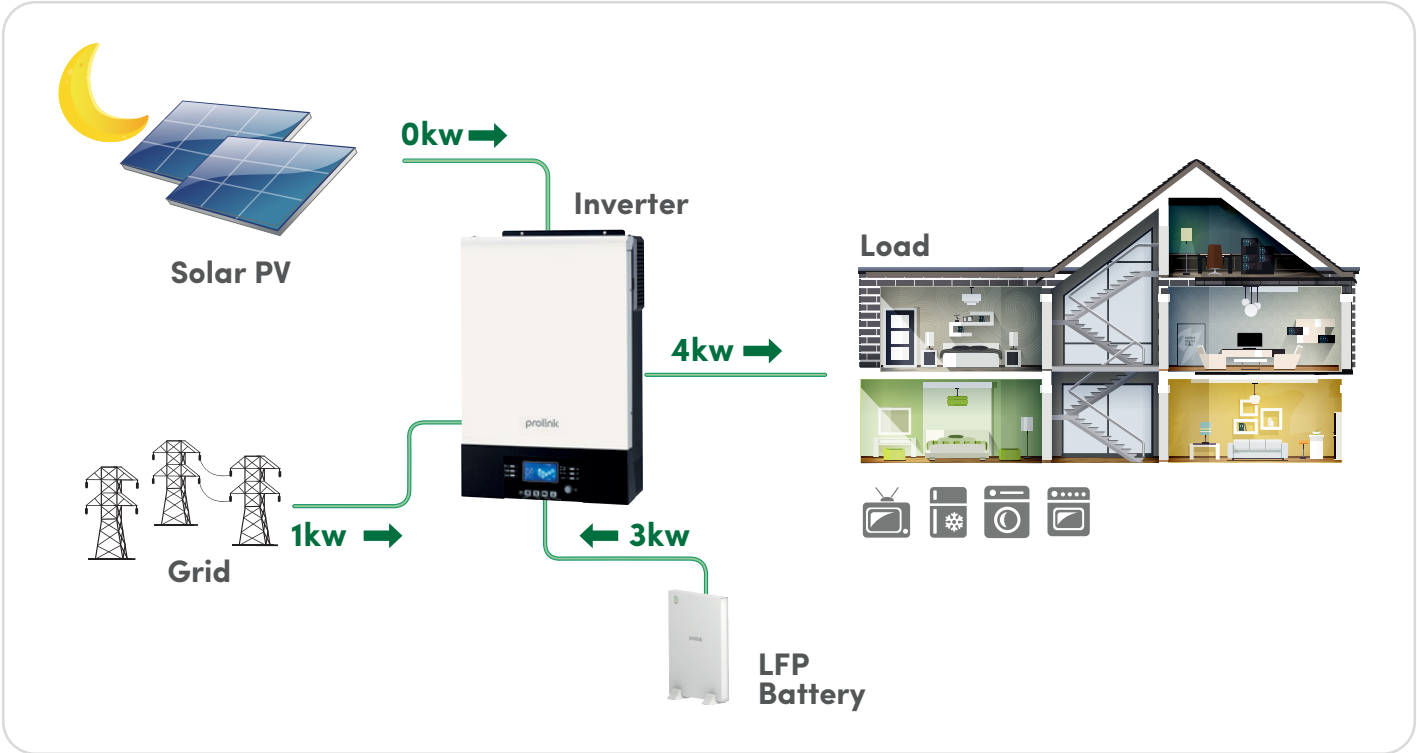


Saat matahari mulai terbenam, produksi energi dari panel surya mulai menurun. Pada fase ini, sistem operasi akan mengatur:



Sistem Operasi pada Solar Cell

Pada malam hari, tidak ada produksi energi dari panel surya. Sistem operasi harus mengelola sumber daya yang tersimpan dan alternatif dengan cara berikut:



Products Datasheet

Solar PV

MODEL	
Cell Type	Mono-Crystalline
Cell Arrangement	144 (2 x (12 x6))
Nominal Max. Power (Pmax)	550 W
Opt. Operating Voltage (Vmp)	41.7 V
Opt. Operating Current (Imp)	13.20 A
Open Circuit Voltage (VOC) V	49.6 V
Short Circuit Current (Isc)	14.00 A
Module Efficiency	21.5%
Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500V (IEC/UL)
Module Fire Performance	Type 1 (UL 61730 1500V)
Max. Series Fuse Rating	25 A
Application Classification	Class A
Power Tolerance	0~ + 10 W
Dimensions	2261 x 1134 x 30 mm
Weight	27.6 Kg (60.8 lbs)
Front Cover	3.2 mm Tempered Glass with Anti-Reflective Coating
Frame	Anodized Aluminium Alloy
J-Box	IP68, 3 Bypass Diodes
Cable	4 mm2 (IEC), 12 AWG (UL)
Cable Length	410 mm (16.1 in) (+) / 290 mm (11.4 in) (-)
Connector	T6 or MC4-EVO2

Product specifications are subject to change without further notice.

HAUS III Twin 6KM-48

MODEL	
Rated power	6000VA/6000W
Input Nominal Voltage	230VAC
Input Voltage Range	170 – 280VAC (For Personal Computers)
	90 – 280 VAC (For Home Appliances)
Input Frequency Range	50/60Hz (Auto Sensing)
Output Voltage	230VAC ± 5% (Dual Output)
Output Surge Power	12000VA
Overload Capacity	5s @ ≥150% load
	10s @ ≥110% – 150% load
	100ms @ ≥200% load
Output efficiency (peak)	93%
Output Transfer Tim	10ms (For Personal Computers)
	20ms (For Home Appliances)
Battery Voltage	48VDC
Floating Charge Voltage for Battery	54VDC
Max Charge Voltage for Battery	64VDC
Overcharge Protection for battery	66VDC
Solar Charger Type	MPPT
Max. PV Array Power for Charger	6000W
MPPT Range @Operating Voltage	120 – 430 VDC
Max. PV Array Open Circuit Voltage	500VDC
Max. PV input Current	27A
Max. Solar Charge Current	10A, up to 120A
Max. AC Charge Current	120A
Max. Charge Current	120A
Communication Interface	USB, RS232, RS485 and Wi-Fi

LFP Battery

MODEL	
Battery Cell Technology	Lithium Iron Phosphate
Nominal Voltage	51.2 VDC
Battery Capacity	100Ah
Max Continuous Charging / Discharging	100A @0.2C, 25°C
Max Charging Voltage	57.6V
Max Discharging Voltage	43.2V
Max Parallel Unit	15
IP Protection	IP65
BMS Communication	RS485, RS232, CAN
Operating Environment	0°C to 45°C
	-20°C to 60°C

Product specifications are subject to change without further notice.