



STRUMAN

Portable Power Station dengan Teknologi LFP



STRUMAN POWER STATION

Sebuah Power System atau sistem penyimpanan energi yang menggabungkan baterai berkapasitas tinggi, inverter, dan sistem manajemen energi dalam satu perangkat.

KOMPONEN UTAMA

1. Lithium Iron Phosphate Battery

Safe & Long-Life Energy Storage

2. BMS (Battery Management System)

3. Pure Sine Wave Inverter

Stable & Clean Power Output

4. MPPT Solar Controller

Mengoptimalkan energi yang masuk dari solar panel.



LiFePO₄ - Lithium Iron Phosphate Battery

HIGH SAFETY

Stabil secara termal dan memiliki risiko thermal runaway yang lebih rendah.

LONG LIFECYCLE

Kapasitas > 80% setelah 3000 Cycle.

HIGH EFFICIENCY

Efisiensi hingga 98 %.

WIDELY USE IN ELECTRIC VEHICLE



BATTERY MANAGEMENT SYSTEM

BALANCING CIRCUIT

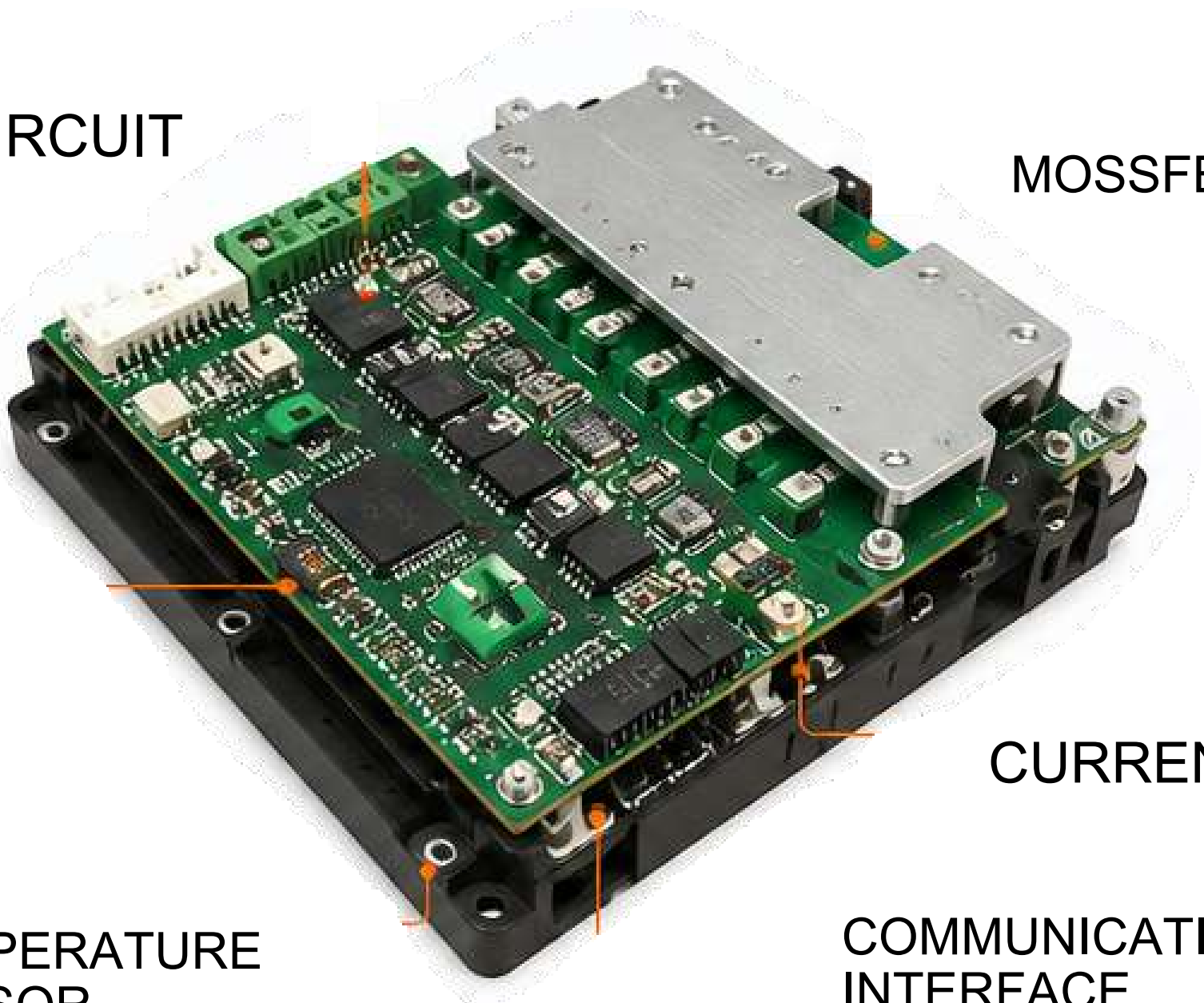
MOSSFET DRIVER

MCU PROCESOR

CURRENT SENSOR

TEMPERATURE
SENSOR

COMMUNICATION
INTERFACE



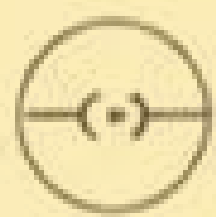
Over Voltage
Protection



Under Voltage
Protection



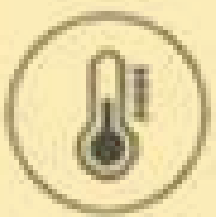
Over Current
Protection



Short Circuit
Protection

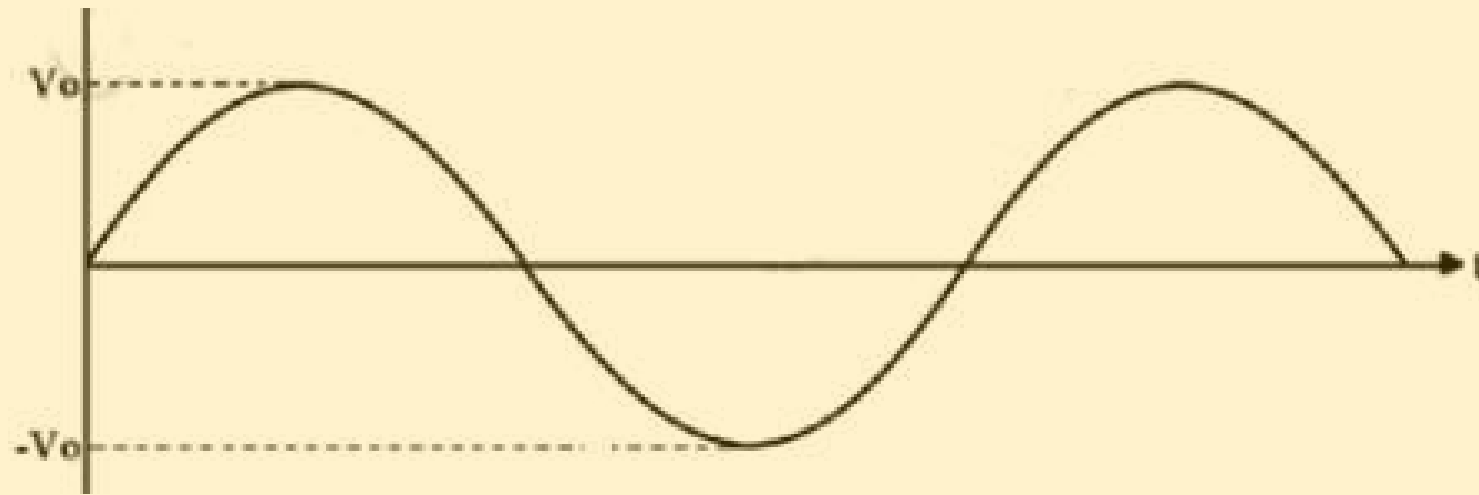


Cell Balancing
Management



Over Temperature
Protection

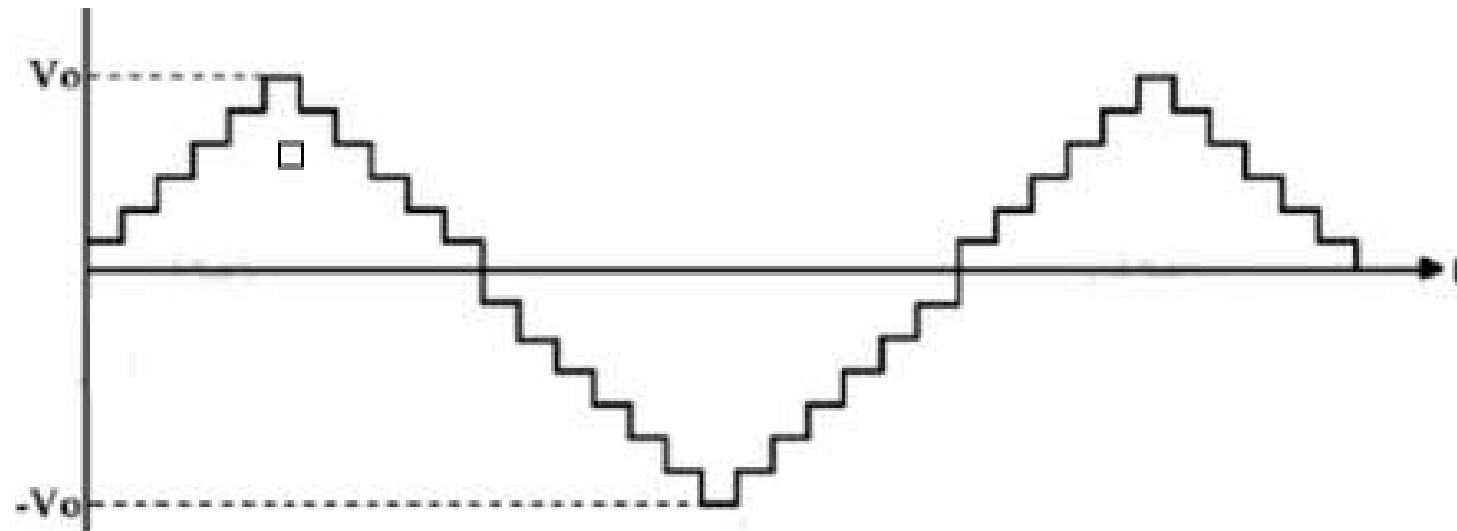
PURE SINE WAVE INVERTER



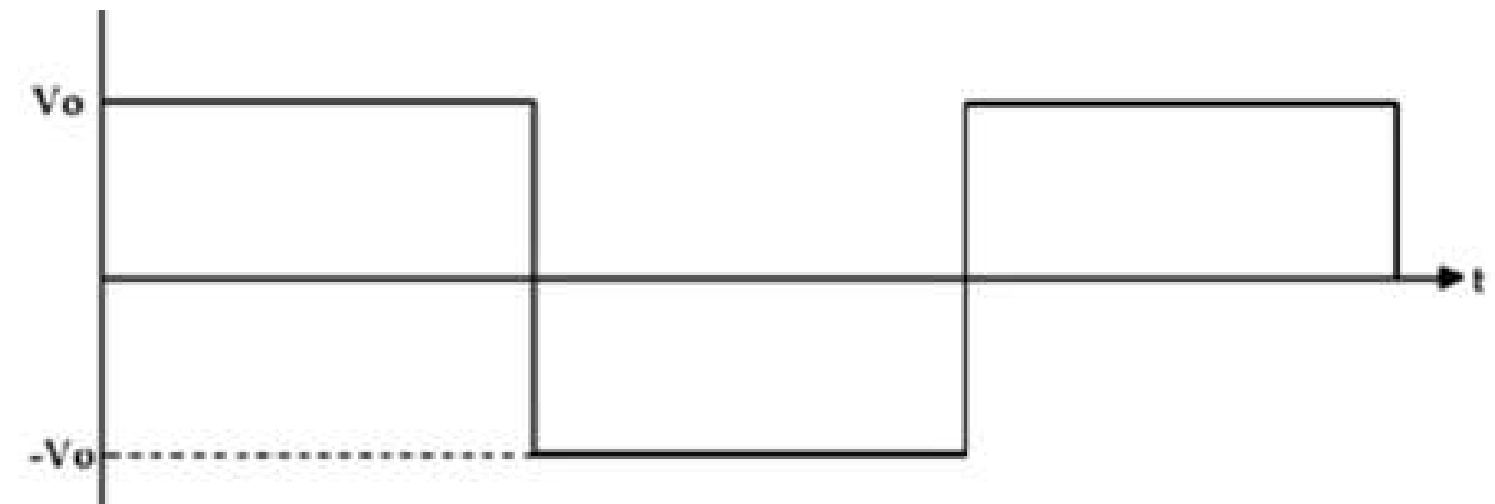
Keunggulan:

1. Aman untuk semua jenis peralatan elektronik.
2. Cocok untuk perangkat sensitif seperti laptop, komputer, TV, peralatan medis, dan motor listrik.
3. Motor berjalan lebih halus, lebih senyap, dan lebih efisien.
4. Mengurangi panas dan gangguan elektromagnetik (EMI).

OTHER WAVE TYPE



Modified Sine Wave



Square Wave

Kekurangan:

1. Distorsi harmoni.
2. Dapat menyebabkan panas.
3. Efisiensi peralatan elektronik menurun.

MPPT MODULE

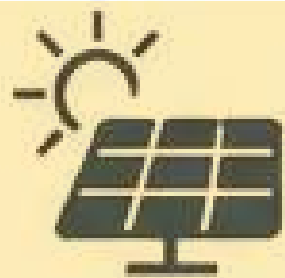
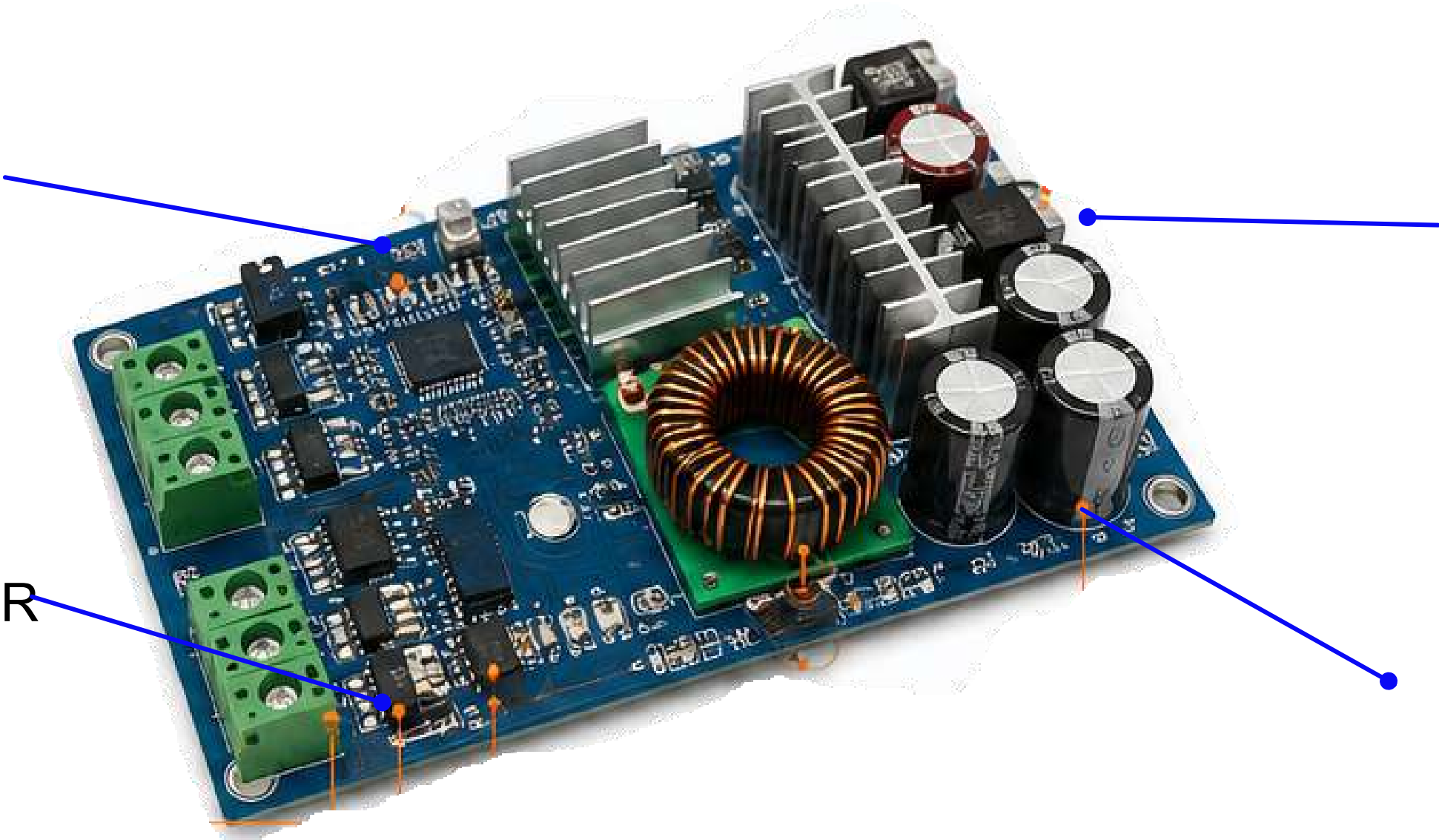
MAXIMUM POWER TRACKING POINT

HIGH EFFICIENCY MPPT
CONTROLLER

HIGH EFFICIENCY POWER
INDUCTOR

DC-DC CONVERTER

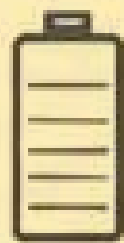
LOW ESR CAPACITOR



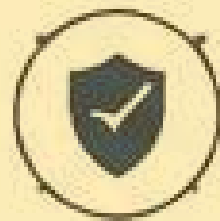
MAXIMIZE SOLAR
ENERGY



HIGH CONVERSION
EFFICIENCY



SMART CHARGING



MULTIPLE
PROTECTIONS

FLEKSIBILITAS PENGISIAN DAYA & OUTPUT DAYA

PILIHAN PENGISIAN DAYA:

- AC (Fast Charging)
- Solar Charging
- In-Vehicle Charging

OUTPUT DAYA:

- AC Output
- DC Output



OUR PRODUCT



G24 PRO
(2048 Wh)



BT 30
(3072 Wh)



HS1800
(1536 Wh)



M50
(5120 Wh)

MODULAR & EXPANDABLE DESIGN



G24 PRO
(2048 Wh)

+



BT 30
(3072 Wh)



5,1 kWh



8,2 kWh



14,3 kWh



17,4 kWh

G24 PRO

Expandable Power Station



Model :	G24 PRO
Kapasitas :	2048 Wh (51,2 V/40 Ah)
AC output :	220 V-240 V~, 50 Hz/60 Hz
Rated power :	2400 W
USB output :	(2 x USB-A) & (2 x USB-C) max. 140 W
DC output :	12 V/10 A (car socket)
AC input :	220 V-240 V~, max. 2000 W (2 hours charging)
Solar input :	12-80 V/20 A, max. 1600 W
Dimensi :	51 x 35 x 38 cm
Berat :	25 kg
Siklus pemakaian :	3000 siklus (+8 tahun), kapasitas > 80%

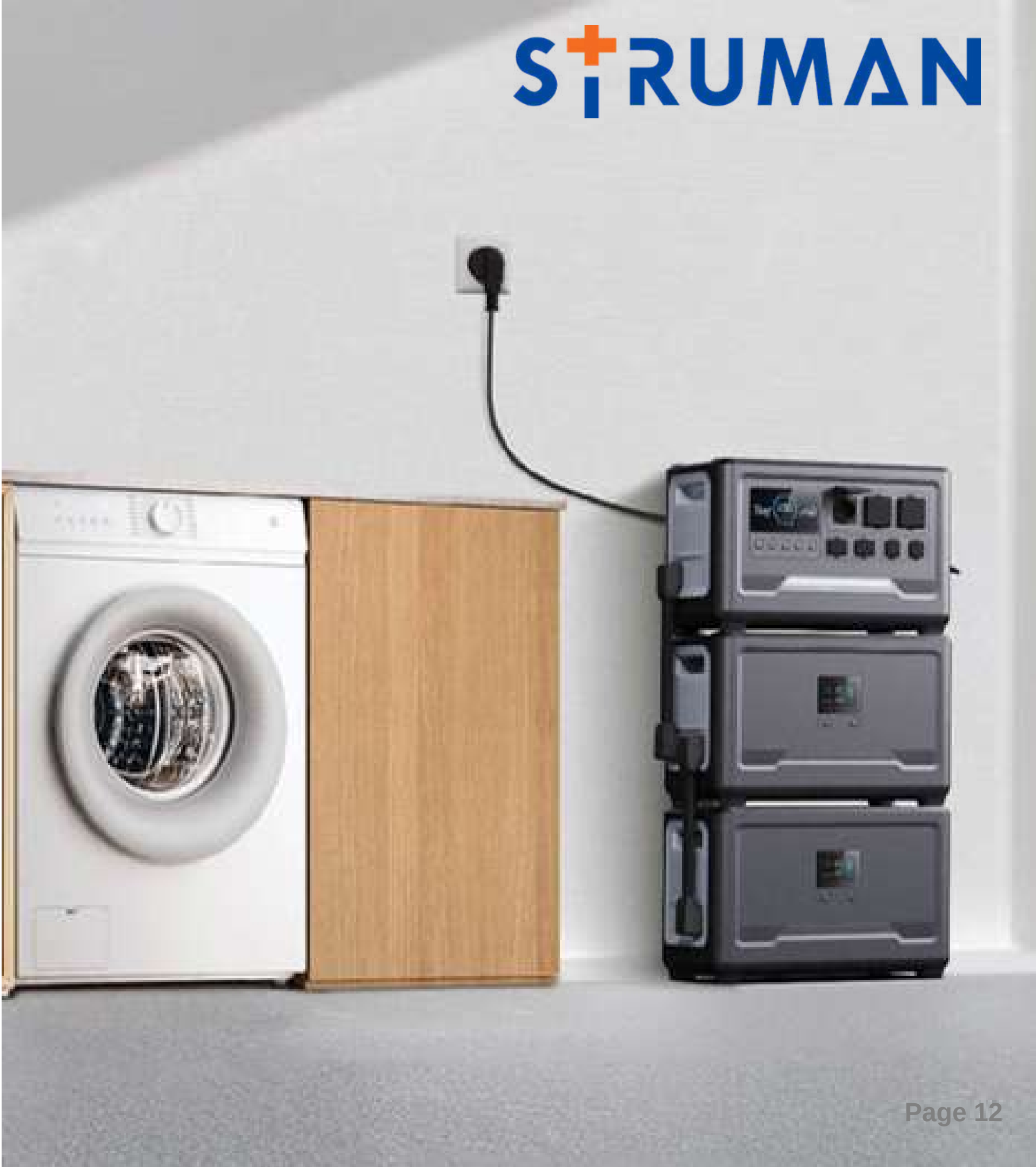


BT30

Extra Battery for G24 PRO



Model :	BT30
Kapasitas :	3072 Wh (51,2 V/60 Ah)
Jenis baterai :	LiFePO4 (LFP)
Dimensi :	51 x 35 x 38 cm
Berat :	25 kg
Siklus pemakaian :	3000 siklus (+8 tahun), kapasitas > 80%

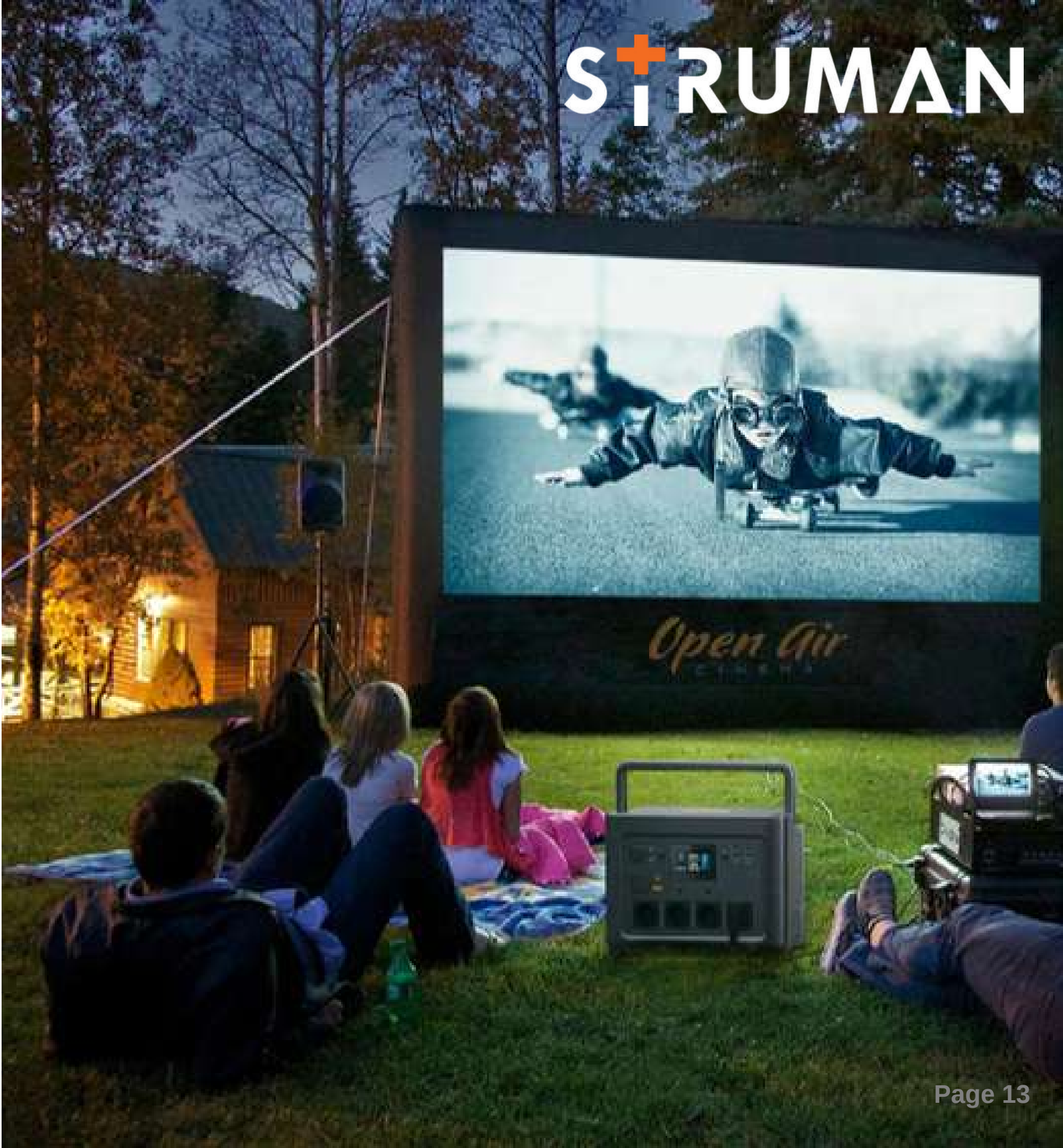


HS1800

Standalone Power Station



Model :	HS1800
Kapasitas :	1536 Wh (25,6 V/60 Ah)
AC output :	220 V-240 V~, 50 Hz/60 Hz
Rated power :	1800 W
USB output :	(4 x USB-A) & (2 x USB-C)max. 100 W
DC output :	12 V/10 A (car socket)
AC input :	220 V-240 V~, max. 1000 W (2 hours charging)
Solar input :	12-80 V/20 A, max. 600 W
Dimensi :	35 x 22 x 27 cm
Berat :	16 kg
Siklus :	3000 siklus (+8 tahun), kapasitas > 80%



HS3600

Standalone Power Station

Model :	HS3600
Kapasitas :	3072 Wh (51,2 V/60 Ah)
AC output :	220 V-240 V~, 50 Hz/60 Hz
Rated power :	3600 W
USB output :	(4 x USB-A) & (2 x USB-C) max. 100 W
DC output :	12 V/10 A (car socket)
AC input :	220 V-240 V~, max. 1500 W (3 hours charging)
Solar input :	12-80 V/20 A, max. 1200 W
Dimensi :	43 x 30 x 48 cm
Berat :	37 kg
Siklus pemakaian :	3000 siklus (+8 tahun), kapasitas > 80%

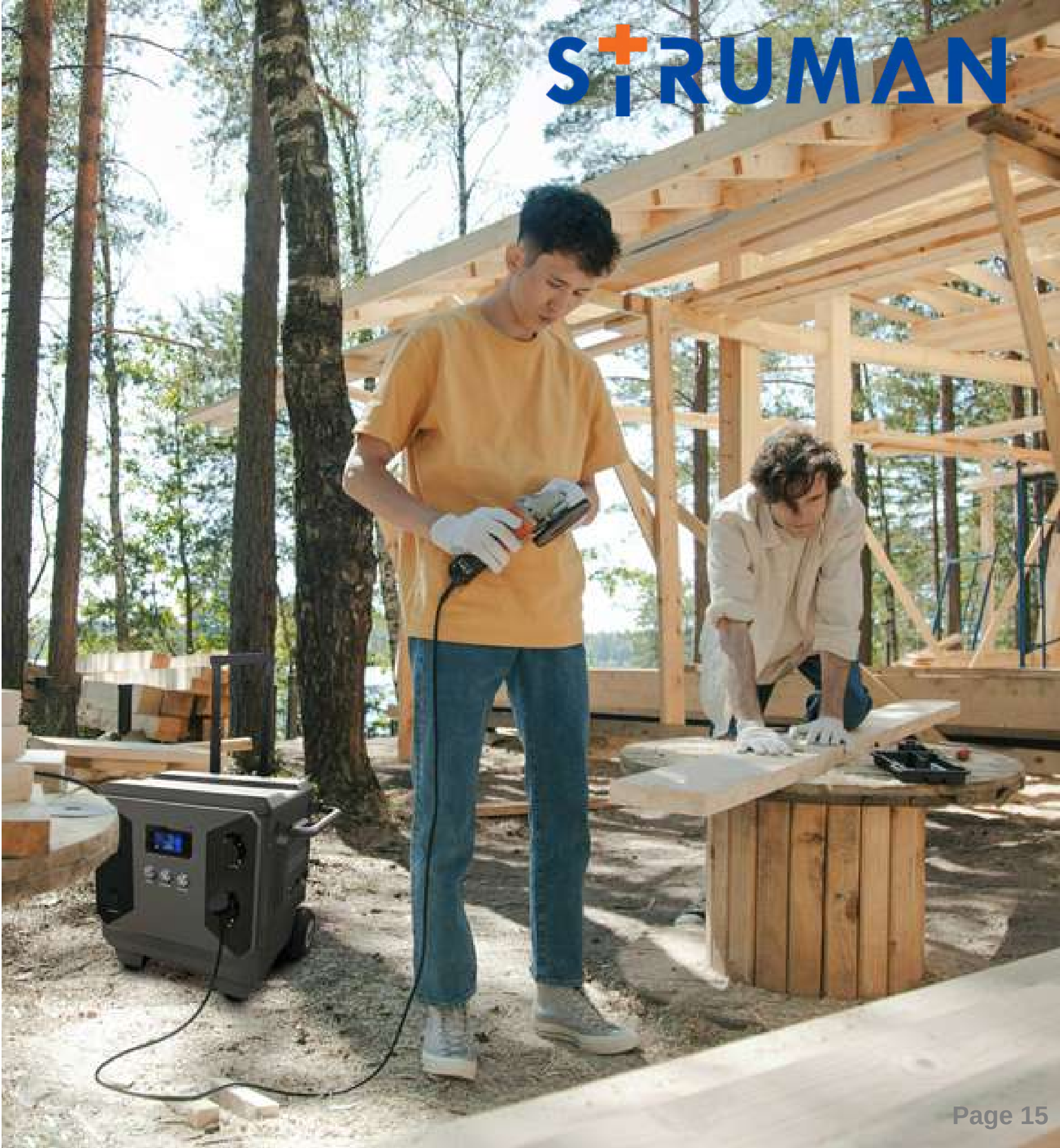


M50

Standalone Power Station

Industrial Power Station Pengganti Genset

Model :	M50
Kapasitas :	5120 Wh (51,2 V/100 Ah)
AC output :	220 V-240 V~, 50 Hz/60 Hz
Rated power :	4500 W
USB output :	(1 x USB-A) & (1 x USB-C) max. 100 W
DC output :	12 V/10 A (car socket)
AC input :	220 V-240 V~, max. 1500 W (4 hours charging)
Solar input :	12-80 V/20 A, max. 1600 W
Dimensi :	62 x 42 x 50 cm
Berat :	64 kg
Siklus pemakaian :	3000 siklus (+8 tahun), kapasitas > 80%





THANK YOU

More Info :

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