

SOLAR STORAGE SYSTEM

REDWAY POWER

For Residential

17

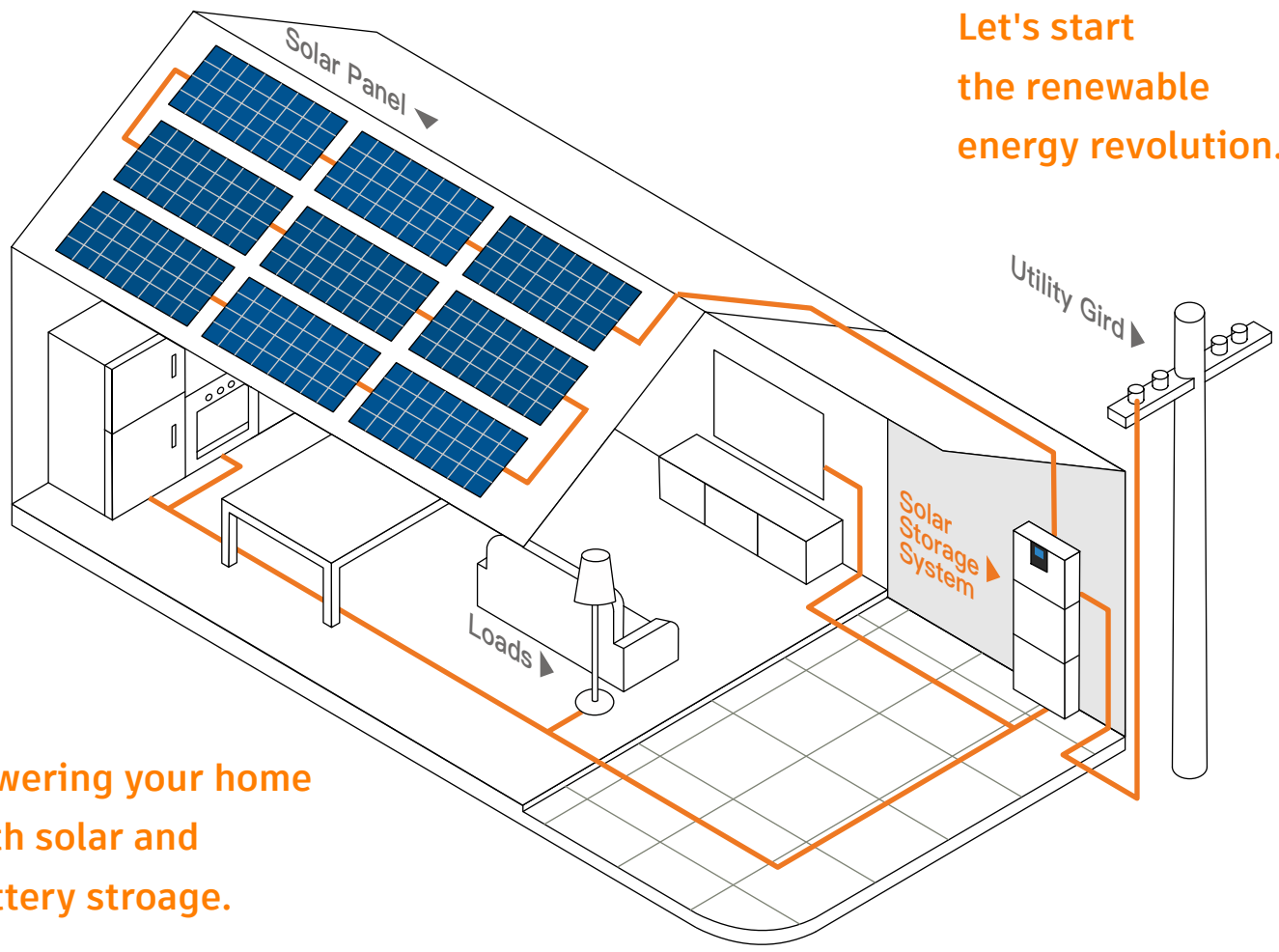
Expert in Solar Energy Storage
Manage and Control

Shenzhen Redway Power, Inc
深圳市前海力威新能源有限公司

China Tel: +86(755)2801
U.S Tel: +1(650) 681 9800

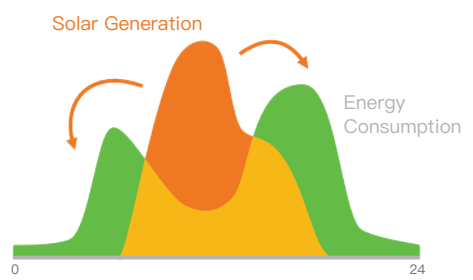
E-mail: info@redwaypower.com
LinkedIn: @Redway Power Battery Group

2022



Let's start
the renewable
energy revolution.

Powering your home
with solar and
battery storage.



Safe



Plug&Play



Uninterrupted



Scalable



Efficiency

Solar energy is volatile and does not match the daily peak of electricity consumption, so we need **Solar Energy Storage System** to regulate the energy distribution and convert solar energy into stable AC energy.

FOR RESIDENTIAL

NEW!



PW series

Wall-Mounted Storage Battery



EOVS series

Vertical Storage System



EOH series

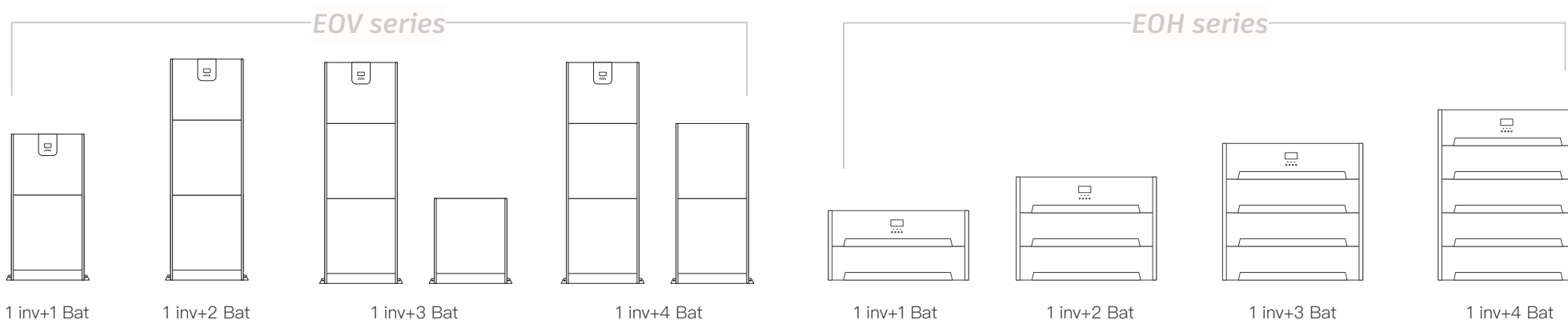
Horizontal Storage System

QUICK SELECTION GUIDE

Solar Storage System (inv+bat integrated)

Model	Rated Output Voltage ¹	3.5kW+5kWh	3.5kW+10kWh	5kW+5kWh	5kW+10kWh	5kW+15kWh	5kW+20kWh
EOV series 24V	230Vac single-phase	1 inv + 1 bat	1 inv + 2 bat	/	/	/	/
EOV series 48V	120Vac single-phase	/	/	1 inv + 1 bat	1 inv + 2 bat	1 inv + 3 bat	1 inv + 4 bat
	230Vac single-phase	/	/				
EOH series 48V	120Vac single-phase	/	/				
	230Vac single-phase	/	/				

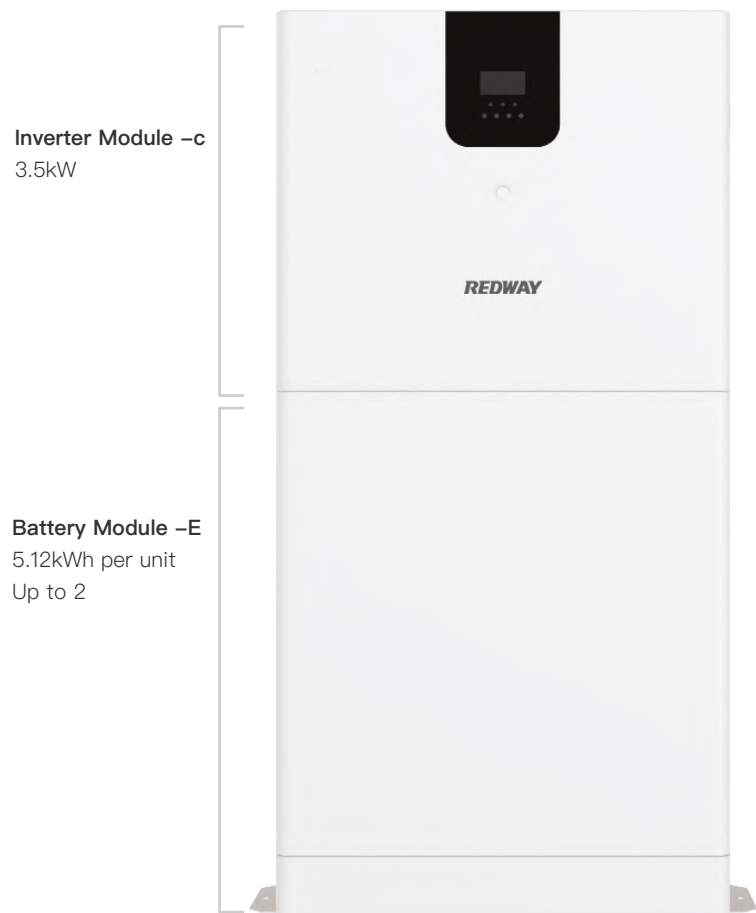
Output Voltage Range : 120V (100/105/110/120Vac)
230V (200/210/220/230/240Vac)



Solar Storage Battery

Model	Rated Battery Power	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	40.96kWh	51.08kWh	61.32kWh
EOS48-5.0A-E1	5.12kWh	1 unit	2 units	3 units	4 units	5 units	6 units	/	/	/
EOS48-10.0A-E1	10.24kWh	/	1 unit	/	2 units	/	3 units	4 units	5 units	6 units

EOV series 24V



INVERTER

ITEMS	EOV24-3.5S-C1
Rated AC Output Power	3,500W
Rated AC Output Voltage	230Vac
Rated AC Output Frequency	50/60Hz
Max.PV Open Circuit Voltage	500Vdc
MPPT Voltage Range	120~450Vdc
Max.PV Input Power	4,000W
Num. Of MPPT	1

BATTERY

ITEMS	EOV24-5.0A-E1
Battery Energy	5.12kWh
Battery Type	Li-ion
Rated Battery Voltage	25.6V
Battery Capacity	200Ah
Constant Charging Current	150A (0.75C)
Constant Discharging Current	150A (0.75C)
Depth of Discharging	80%
Parallel Capacity	1-2
Life-Span 80%DOD	5000

GENERAL

ITEMS	VALUE
Installation Method	Horizontal
Noise	<60dB
Nominal Operation Altitude	<2000m
Communication	RS485/CAN/WIFI
IP Grade	IP20
Dimension (Inverter)	600*184*500mm
Weight (Inverter)	30kg (66lb)
Dimension (Battery)	600*184*610mm
Weight (Battery)	70kg (154lb)

EOV series 48V



INVERTER

ITEMS	EOV48-5.0S-C1	EOH48-5.0U-C1
Rated AC Output Power	5,000W	5,000W
Rated AC Output Voltage	230Vac	120Vac
Rated AC Output Frequency	50/60Hz	50/60Hz
Max.PV Open Circuit Voltage	500Vdc	500Vdc
MPPT Voltage Range	120~450Vdc	120~450Vdc
Max.PV Input Power	5,000W	5,000W
Num. Of MPPT	1	1

BATTERY

ITEMS	EOV48-5.0A-E
Battery Energy	5.12kWh
Battery Type	Li-ion
Rated Battery Voltage	51.2V
Battery Capacity	100A
Constant Charging Current	100A (1C)
Constant Discharging Current	100A (1C)
Depth of Discharging	80%
Parallel Capacity	1-4
Life-Span 80%DOD	6000

GENERAL

ITEMS	VALUE
Installation Method	Horizontal
Noise	<60dB
Nominal Operation Altitude	<2000m
Communication	RS485/CAN/WIFI
IP Grade	IP20
Dimension (Inverter)	600*184*500mm
Weight (Inverter)	30kg (66lb)
Dimension (Battery)	600*184*610mm
Weight (Battery)	60kg (132lb)

PW series 48V



Battery Module -E
5.12kWh

Battery Module -E
9.42kWh

UP to 1 6 in parallel

BATTERY

ITEMS	PW51100-S	PW51184-S
Battery Energy	5.12kWh	9.42kWh
Battery Type	LiFePO4	LiFePO4
Rated Battery Voltage	51.2V	51.2V
Battery Capacity	100Ah	184Ah
Constant Charging Current	100A (1C)	180A (1C)
Constant Discharging Current	100A (1C)	180A (1C)
Depth of Discharging	80%	80%
Parallel Capacity	1-16	1-16
Life-Span 80%DOD	5000	5000

GENERAL

ITEMS	EOS48-5.0A-E	EOS48-10.0A-E
Installation Method	Wall-mounted	Wall-mounted
Communication	RS485/CAN	RS485/CAN
IP Grade	IP21	IP21
Dimension (1 Battery)	532*425*170mm	532*720*176.8mm
Weight (1 Battery)	46kg (101lb)	78kg (172lb)

EOH series 48V



INVERTER

ITEMS	EOH48-5.0S-C0	EOH48-5.0U-C0
Rated AC Output Power	5,000W	5,000W
Rated AC Output Voltage	230Vac	120Vac
Rated AC Output Frequency	50/60Hz	50/60Hz
Max.PV Open Circuit Voltage	500Vdc	500Vdc
MPPT Voltage Range	120~450Vdc	120~450Vdc
Max.PV Input Power	5,000W	5,000W
Num. Of MPPT	1	1

BATTERY

ITEMS	EOH48-5.0A-E0
Battery Energy	5.12kWh
Battery Type	Li-ion
Rated Battery Voltage	51.2V
Battery Capacity	100Ah
Constant Charging Current	100A (1C)
Constant Discharging Current	100A (1C)
Depth of Discharging	80%
Parallel Capacity	1-4
Life-Span 80%DOD	6000

GENERAL

ITEMS	VALUE
Installation Method	Horizontal
Noise	<60dB
Nominal Operation Altitude	<2000m
Communication	RS485/CAN/WIFI
IP Grade	IP20
Dimension (1 Inverter)	710*450*192mm
Weight (1 Inverter)	27kg (60lb)
Dimension (1 Battery)	710*450*192mm
Weight (1 Battery)	53kg (117lb)