PRODUCT COLLECTION

Energy

Powering Humanity’s Rise.



深圳市昂旭启元科技有限公司

2026 / EN

Company & approach

Powering Humanity’s Rise.

ANTHRISE brings energy storage, solar charging and practical lighting into a clear product selection process. We start with the application: daily energy use, installation conditions and the equipment that must work together. Our product language combines clean white surfaces, graphite details and restrained teal accents.

From application to configuration

Define loads and operating hours. Match voltage, power and energy. Confirm environmental protection and local requirements. Agree the exact model, documents and commercial terms before ordering.

Contact & project support

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Solutions & selection

Residential solar storage • Commercial energy management • Mobile and off-grid power







Define loads and operating hours. Match voltage, power and energy. Confirm environmental protection and local requirements. Agree the exact model, documents and commercial terms before ordering.

PRODUCT COLLECTION

16kWh Home Storage



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 16 kWh

TECHNICAL INFORMATION

16kWh Home Storage

AE-E-DAWN-16

Battery chemistry	LiFePO4
Nominal voltage	51.2 V
Energy / capacity (Wh / Ah)	314 Ah / 16.07 kWh
Charge current (rated / max.)	150 A
Discharge current (rated / max.)	200 A
Usable energy / DoD	90% DoD
Ingress protection	IP65
Dimensions W x D x H (mm)	480 x 235 x 874 mm
Net / gross weight (kg)	120 kg net
Working temperature	Working: -20 to +60 C
Parallel / series capability	Up to 63 in parallel
Balancing / wireless features	Bluetooth / Wi-Fi
Installation / terminal layout	Floor-standing with wheels
Cycle test: DoD / C-rate / EOL	90% / 0.5C / 60% EOL; 25 C
Warranty	10 years
Cycle-life figure / conditions in model sheet	6000-8000 cycles
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

High-Voltage Modular Battery Stack



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 10.24kWh / 81.92kWh / 15.36kWh

TECHNICAL INFORMATION

High-Voltage Modular Battery Stack

AE-E-ASCEND

Model configuration	20.48 kWh / 4-module HV configuration
Nominal voltage	204.8 V
Energy	20.48 kWh
Capacity	100 Ah
Battery modules	4 x 51.2 V / 5.12 kWh
Operating voltage range	179.2-233.6 V
Charge / discharge current	50 A / 50 A
Recommended DoD	90%
Cycle test	6000 cycles; 0.5C; 80% DoD; 25 C
Protection	IP20
Charge / discharge temperature	Charge: 0 to +50 C; discharge: -10 to +60 C
Storage temperature	0 to +45 C
Dimensions W/D/H	550 x 440 x 790 mm
Net weight	205 kg
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

Balcony Energy Storage System



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 2.56-5.12 kWh

TECHNICAL INFORMATION

Balcony Energy Storage System

AE-E-BALCONY

Energy / capacity class	2.56-5.12 kWh
Battery chemistry	LiFePO4
Enclosure protection	IP65
Expansion configuration	Up to 2 units in parallel
Nominal DC voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Continuous discharge current	Match the system voltage and limits
Inverter compatibility	Match the system voltage and limits
Cycle life and test conditions	Specified in the model configuration
Warranty terms	Match the destination market
Battery communications	RS-232 / RS-485 / CAN
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

5–10kWh Compact Storage



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 5-10 kWh

TECHNICAL INFORMATION

5–10kWh Compact Storage

AE-E-DAWN-05

Battery chemistry	LiFePO4
Nominal voltage	51.2 V
Energy / capacity (Wh / Ah)	100/200 Ah; 5.12/10.24 kWh
Operating voltage range	45.6-56.16 V
Charge voltage / protection	55.68-56.16 V
Charge current (rated / max.)	50 A / 100 A by variant
Discharge current (rated / max.)	100 A / 200 A by variant
Usable energy / DoD	80% DoD (cycle test)
Ingress protection	IP20
Dimensions W x D x H (mm)	620 x 145 x 435 / 816 mm
Net / gross weight (kg)	45 / 87.5 kg net
Working temperature	Working: -20 to +60 C
Storage temperature	<=25 C:12mo; <=35 C:6mo
Parallel / series capability	Up to 15 in parallel
Installation / terminal layout	Floor or wall mounted
Cycle test: DoD / C-rate / EOL	80% / 0.5C / 60% EOL; 25 C
Warranty	10 years
Cycle-life figure / conditions in model sheet	6000-8000 cycles
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

6 kW Hybrid Inverter



Rated AC power / power class: 6 kW

TECHNICAL INFORMATION

6 kW Hybrid Inverter

AE-I-HYBRID-6K

Rated power / class	6000 W
Phase / operating mode	Single-phase hybrid
AC input / output voltage	220 / 230 V
Frequency / output current	50/60 Hz; rated 27.3/26.1 A
Surge power / duration	2 x rated power / 10 s off-grid
Battery voltage range	40-60 V
Charge / discharge current	135 A / 135 A max.
PV power / max. voltage	9600 W input / 500 V max.
MPPT range / channels	150-425 V / 2 trackers
Max. PV input current	13 A + 13 A
Efficiency / standby power	97.6% max. efficiency
Ingress protection	IP65
Operating temperature	-40 to 60 C; derate >45 C
Dimensions W x D x H (mm)	330 x 228 x 433 mm
Net / gross weight (kg)	17 kg net
Protection / safety functions	Overcurrent / thermal / anti-island
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485

PRODUCT COLLECTION

12 kW Hybrid Inverter



Rated AC power / power class: 12 kW

TECHNICAL INFORMATION

12 kW Hybrid Inverter

AE-I-HYBRID-12K

Rated power / class	12000 W
Phase / operating mode	Three-phase LV hybrid
Battery voltage range	40-60 V
Charge / discharge current	240 A / 240 A max.
PV power / max. voltage	18000 W input / 800 V max.
MPPT range / channels	200-650 V; full-load 350-650 V
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

20 kW Hybrid Inverter



Rated AC power / power class: 20 kW

TECHNICAL INFORMATION

20 kW Hybrid Inverter

AE-I-HYBRID-20K

Rated AC power / power class	20 kW
AC phase / operating mode	Specified in the model configuration
Battery voltage class	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Inverter compatibility	Match the system voltage and limits
Warranty terms	Match the destination market
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

50 kW Hybrid Inverter



Rated AC power / power class: 50 kW

TECHNICAL INFORMATION

50 kW Hybrid Inverter

AE-I-HYBRID-50K

Rated power / class	50000 W
Phase / operating mode	Three-phase HV hybrid
Battery voltage range	160-800 V
Charge / discharge current	50 A + 50 A (two inputs)
PV power / max. voltage	80000 W input / 1000 V max.
MPPT range / channels	150-850 V / 4 trackers
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

Ultra-Compact



Energy / capacity class: 150-300 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Ultra-Compact

AE-E-VOLT-200

Model configuration	192 Wh / 200 W
Energy	192 Wh
Battery chemistry	LiFePO4
Voltage / capacity	12.8 V / 15 Ah
AC rated output	200 W
Surge power / duration	400 W
AC output	220 V
Output waveform	Modified sine wave
Runtime calculation	Usable Wh × conversion efficiency / load W
AC / solar / vehicle charging selection	Use model input voltage and current limits
Output / load matching	Match rated power and starting demand

PRODUCT COLLECTION

Compact All-Rounder



Energy / capacity class: 300-600 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Compact All-Rounder

AE-E-VOLT-500

Model configuration	384 Wh / 500 W
Energy	384 Wh
Battery chemistry	LiFePO4
Voltage / capacity	12.8 V / 30 Ah
AC rated output	500 W
Surge power / duration	700 W
AC output	220 V
Output waveform	Pure sine wave
AC charging time	5-6 h
Runtime calculation	Usable Wh × conversion efficiency / load W
AC / solar / vehicle charging selection	Use model input voltage and current limits
Output / load matching	Match rated power and starting demand

PRODUCT COLLECTION

Mid-Range Workhorse



Energy / capacity class: 600-1200 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Mid-Range Workhorse

AE-E-VOLT-1000

Model configuration	768 Wh / 1000 W
Energy	768 Wh
Battery chemistry	LiFePO4
Voltage / capacity	12.8 V / 60 Ah
AC rated output	1000 W
Surge power / duration	2000 W
AC output	220 V
Output waveform	Pure sine wave
AC charging time	5-7 h
Cycle-life figure / conditions in model sheet	3500+ cycles
Runtime calculation	Usable Wh × conversion efficiency / load W
AC / solar / vehicle charging selection	Use model input voltage and current limits
Output / load matching	Match rated power and starting demand

PRODUCT COLLECTION

Large-Capacity



Energy / capacity class: 1200-2000 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Large-Capacity

AE-E-VOLT-1500

Energy / capacity class	1200-2000 Wh
Battery chemistry	LiFePO4
Rated AC power / power class	Match the system voltage and limits
AC output waveform	Match the destination market
Solar module rated power	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Cycle life and test conditions	Specified in the model configuration
Warranty terms	Match the destination market
Runtime calculation	Usable Wh × conversion efficiency / load W
AC / solar / vehicle charging selection	Use model input voltage and current limits
Output / load matching	Match rated power and starting demand

PRODUCT COLLECTION

Professional



Energy / capacity class: 2000-3600 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Professional

AE-E-VOLT-2500

Model configuration	2048 Wh / 2400 W AC / 230 V
Energy / chemistry	2048 Wh / LFP
AC output / surge	2400 W / 4800 W
AC voltage	230 V / 50-60 Hz
USB-C	2 x 100 W
USB-A	2 x 12 W + 2 x 18 W
DC vehicle outlet	12.6 V / 10 A / 126 W
Solar input	2 x 500 W; 11-60 V; 15 A
AC charging	2400 W max.
Cycle-life figure / conditions in model sheet	3000 cycles to 80%+
Dimensions	497 x 242 x 305 mm
Weight	Approx. 23 kg
Warranty	5 years

PRODUCT COLLECTION

Modular Expandable



Energy / capacity class: 2000 Wh

Battery chemistry: LiFePO4

TECHNICAL INFORMATION

Modular Expandable

AE-E-VOLT-PRO	
Energy / capacity class	2000 Wh
Battery chemistry	LiFePO4
Expansion configuration	Specified in the model configuration
Rated AC power / power class	Match the system voltage and limits
AC output waveform	Match the destination market
Solar module rated power	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Cycle life and test conditions	Specified in the model configuration
Warranty terms	Match the destination market
Runtime calculation	Usable Wh × conversion efficiency / load W
AC / solar / vehicle charging selection	Use model input voltage and current limits
Output / load matching	Match rated power and starting demand

PRODUCT COLLECTION

AE-R60 · 60W Foldable



Solar module rated power: 60 W

TECHNICAL INFORMATION

AE-R60 · 60W Foldable

origAER60

Solar module rated power	60 W
PV maximum-power voltage	Match the system voltage and limits
PV maximum-power current	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Maximum PV short-circuit current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
Power measurement basis	STC: 1000 W/m^2; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

AE-R100 · 100W Foldable



Solar module rated power: 100 W

TECHNICAL INFORMATION

AE-R100 · 100W Foldable

origAER100	
STC power	100 W
Voc / Vmp	24.3 V / 20.4 V
Isc / Imp	5.45 A / 4.91 A
Cell type	Monocrystalline
Operating temperature	-40 to +85 C
Folded size	552 x 530 x 71 mm
Net weight	9.6 kg
Power measurement basis	STC: 1000 W/m^2; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

AE-R200 · 200W Foldable



Solar module rated power: 200 W

TECHNICAL INFORMATION

AE-R200 · 200W Foldable

origAER200

Solar module rated power	200 W
PV maximum-power voltage	Match the system voltage and limits
PV maximum-power current	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Maximum PV short-circuit current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
Power measurement basis	STC: 1000 W/m²; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

AE-R400 · 400W Rigid



Solar module rated power: 400 W

TECHNICAL INFORMATION

AE-R400 · 400W Rigid

origAER400

Solar module rated power	400 W
PV maximum-power voltage	Match the system voltage and limits
PV maximum-power current	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Maximum PV short-circuit current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
Power measurement basis	STC: 1000 W/m²; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

AE-SK1 · Solar Generator Bundle



Battery chemistry: LiFePO4

TECHNICAL INFORMATION

AE-SK1 · Solar Generator Bundle

origAESK1

Battery chemistry	LiFePO4
Solar module rated power	Match the system voltage and limits
PV maximum-power voltage	Match the system voltage and limits
PV maximum-power current	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Maximum PV short-circuit current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
Power measurement basis	STC: 1000 W/m^2; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

AE-A-MPPT · MPPT Charge Controllers



TECHNICAL INFORMATION

AE-A-MPPT · MPPT Charge Controllers

origAEAMPPT

Model configuration	100 V PV / 30 A charge / 12-24 V battery
Nominal voltage	12/24 V automatic
Product / controller type	MPPT solar charge controller
Input voltage / current limits	100 V Voc / 35 A Isc max.
Output voltage / current limits	30 A rated charging
Rated power / class	440 W @12 V; 880 W @24 V
Charging modes / protections	Adaptive multistage / thermal
Ingress protection	IP43 electronics / IP22 terminals
Operating temperature	-30 to +60 C; full output <=40 C
Net / gross weight (kg)	1.3 kg
Supported battery types	Programmable charge algorithm
Power measurement basis	STC: 1000 W/m^2; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

Pure Sine Wave Inverters



Rated AC power / power class: 300 / 500 / 1000 W

AC output waveform: Pure sine wave

TECHNICAL INFORMATION

Pure Sine Wave Inverters

AE-I-UTILITY-01

Rated AC power / power class	300 / 500 / 1000 W
AC output waveform	Pure sine wave
AC phase / operating mode	Specified in the model configuration
Battery voltage class	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
System communications	Optional RS-232 / RS-485 / CAN control integration
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

AE-A-DC · DC-DC Car Chargers



TECHNICAL INFORMATION

AE-A-DC · DC-DC Car Chargers

AE-A-DC	
Input DC supply	Starter battery / alternator
Output application	Auxiliary battery charging
Nominal DC voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
Power measurement basis	STC: 1000 W/m^2; 25°C; AM1.5
Controller matching	Check Voc, input current and power limits
DC output integration	Match connector polarity and cable rating

PRODUCT COLLECTION

51.2V Rack-Mount ESS



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 5.12kWh / 16.08kWh / 7.68kWh

TECHNICAL INFORMATION

51.2V Rack-Mount ESS

AE-E-ROOT

Model configuration	51.2 V / 100 Ah / 5.12 kWh
Battery chemistry	LiFePO4
Nominal voltage	51.2 V
Energy / capacity (Wh / Ah)	100 Ah / 5.12 kWh
Operating voltage range	45.6-56.16 V
Charge voltage / protection	55.68-56.16 V
Charge current (rated / max.)	50 A max.
Discharge current (rated / max.)	100 A max.
Usable energy / DoD	90% DoD
Ingress protection	IP20
Dimensions W x D x H (mm)	440 x 500 x 132 mm
Net / gross weight (kg)	47.3 kg net
Working temperature	Working: -20 to +60 C
Parallel / series capability	Up to 15 in parallel
Installation / terminal layout	Rack / wall mount
Cycle test: DoD / C-rate / EOL	90% / 0.5C / 60% EOL; 25 C
Warranty	5 years
Cycle-life figure / conditions in model sheet	6000-8000 cycles
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

LV Floor-Standing & Expandable ESS



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 10.24kWh / 30.72kWh / 15.36kWh

TECHNICAL INFORMATION

LV Floor-Standing & Expandable ESS

AE-E-RISE

Energy / capacity class	10.24kWh / 30.72kWh / 15.36kWh
Battery chemistry	Specified in the model configuration
Nominal DC voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Continuous discharge current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Inverter compatibility	Match the system voltage and limits
Cycle life and test conditions	Specified in the model configuration
Warranty terms	Match the destination market
Battery communications	RS-232 / RS-485 / CAN
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

Commercial & Industrial ESS Cabinet



BMS / PCS / EMS coordination: Cell-level battery protection, bidirectional power conversion and site-level energy scheduling

Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

TECHNICAL INFORMATION

Commercial & Industrial ESS Cabinet

AE-E-HORIZON

Model configuration	50 kW AC / 112 kWh configuration
AC rated output	50 kW inverter rating
Energy	112 kWh class
Usable energy	100.8 kWh
Battery chemistry	LiFePO4
Cell arrangement	1P112S / 314 Ah
Nominal voltage	358.4 V
Operating voltage range	313.6-403.2 V
Battery current limit	140 A; battery-side limit
Inverter battery current limit	2 x 50 A
Battery-only power at nominal voltage	35.84 kW DC before losses at 100 A
System integration	External hybrid inverter + battery cabinet
Thermal management	Cabinet air conditioning + pack fans; PDF revision
Protection	IP55 battery cabinet / IP65 inverter
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

Commercial & Industrial ESS Cabinet



BMS / PCS / EMS coordination: Cell-level battery protection, bidirectional power conversion and site-level energy scheduling

Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

TECHNICAL INFORMATION

Commercial & Industrial ESS Cabinet

AE-C-30-60

AC rated output	30 kW
Energy	60 kWh
System integration	External inverter + battery cabinet
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

Commercial & Industrial ESS Cabinet



BMS / PCS / EMS coordination: Cell-level battery protection, bidirectional power conversion and site-level energy scheduling

Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

TECHNICAL INFORMATION

Commercial & Industrial ESS Cabinet

AE-C-125-261

AC rated output	125 kW
Energy	261 kWh class
Cell arrangement	1P260S / 314 Ah
Nominal voltage	832 V
Operating voltage range	728-936 V
System integration	External inverter + battery cabinet
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

All-in-One Energy System



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Energy / capacity class: 5.12kWh / 20.48kWh / 10.24kWh

TECHNICAL INFORMATION

All-in-One Energy System

AE-E-UNION

Model configuration	5 kW AC / 5.12 kWh
Battery voltage	51.2 V
Battery energy	5.12 kWh
Capacity	100 Ah
AC rated output	5000 W / 5000 VA
AC output	230 V / 50-60 Hz / 1 phase
Max. AC charging	80 A
PV maximum Voc	450 V
PV maximum current	18 A
MPPT window	120-430 V
Battery module dimensions	650 x 380 x 365 mm
Battery module weight	45 kg
Warranty	Battery 5 years; inverter 2 years
Cycle-life figure / conditions in model sheet	6000-8000 cycles
Battery communications	RS-232 / RS-485 / CAN

PRODUCT COLLECTION

LV Single-Phase Hybrid Inverter



Rated AC power / power class: 3.6 / 5 / 6 / 8 / 10 / 12 kW

AC phase / operating mode: Single-phase / Hybrid

Battery voltage class: Low-voltage battery

TECHNICAL INFORMATION

LV Single-Phase Hybrid Inverter

AE-I-PULSE

Model configuration	6 kW / single-phase / LV
Rated power / class	6000 W
Phase / operating mode	Single-phase hybrid
AC input / output voltage	220 / 230 V
Frequency / output current	50/60 Hz; rated 27.3/26.1 A
Surge power / duration	2 x rated power / 10 s off-grid
Battery voltage range	40-60 V
Charge / discharge current	135 A / 135 A max.
PV power / max. voltage	9600 W input / 500 V max.
MPPT range / channels	150-425 V / 2 trackers
Max. PV input current	13 A + 13 A
Efficiency / standby power	97.6% max. efficiency
Ingress protection	IP65
Operating temperature	-40 to 60 C; derate >45 C
Dimensions W x D x H (mm)	330 x 228 x 433 mm
Net / gross weight (kg)	17 kg net
Protection / safety functions	Overcurrent / thermal / anti-island
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485

PRODUCT COLLECTION

LV Three-Phase Hybrid Inverter



Rated AC power / power class: 6 / 8 / 10 / 12 / 15 kW

AC phase / operating mode: Three-phase / Hybrid

Battery voltage class: Low-voltage battery

TECHNICAL INFORMATION

LV Three-Phase Hybrid Inverter

AE-I-PULSET

Model configuration	12 kW / three-phase / LV
Rated power / class	12000 W
Phase / operating mode	Three-phase LV hybrid
Battery voltage range	40-60 V
Charge / discharge current	240 A / 240 A max.
PV power / max. voltage	18000 W input / 800 V max.
MPPT range / channels	200-650 V; full-load 350-650 V
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

HV Single-Phase Hybrid Inverter



Rated AC power / power class: 3 / 5 / 6 / 8 / 10 kW

AC phase / operating mode: Single-phase / Hybrid

Battery voltage class: High-voltage battery

TECHNICAL INFORMATION

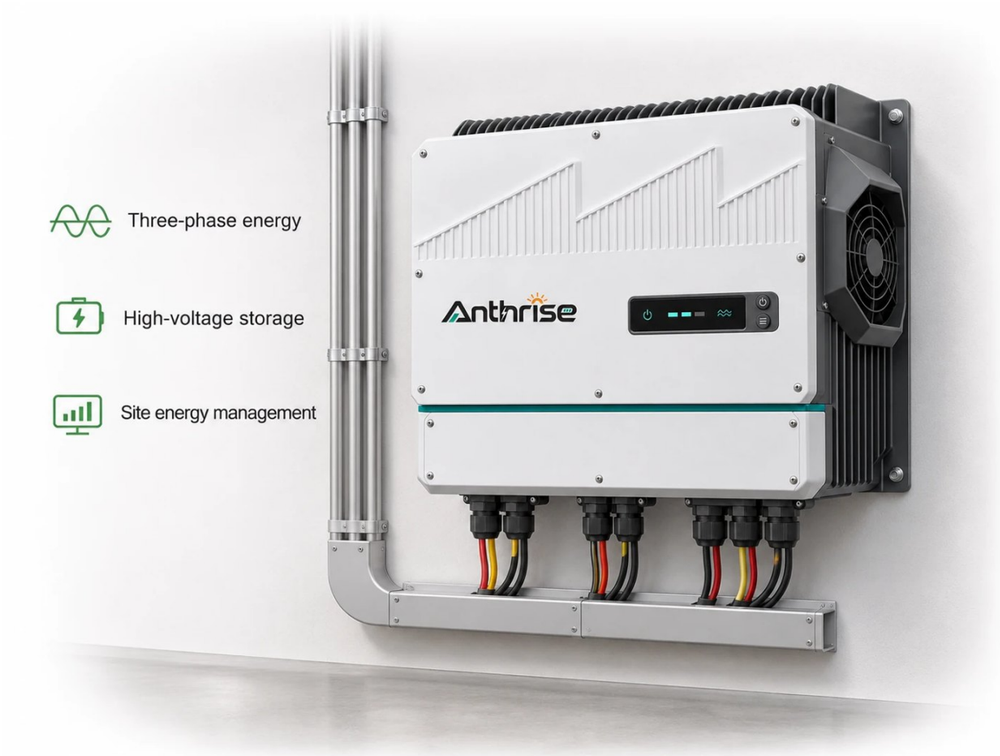
HV Single-Phase Hybrid Inverter

AE-I-ORBIT

Rated AC power / power class	3 / 5 / 6 / 8 / 10 kW
AC phase / operating mode	Single-phase / Hybrid
Battery voltage class	High-voltage battery
Maximum PV open-circuit voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Inverter compatibility	Match the system voltage and limits
Warranty terms	Match the destination market
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

HV Three-Phase Hybrid Inverter



Rated AC power / power class: 5 / 6 / 8 / 10 / 12 / 15 / 20 / 25 / 30 kW

AC phase / operating mode: Three-phase / Hybrid

Battery voltage class: High-voltage battery

TECHNICAL INFORMATION

HV Three-Phase Hybrid Inverter

AE-I-ORBITT

Rated AC power / power class	5 / 6 / 8 / 10 / 12 / 15 / 20 / 25 / 30 kW
AC phase / operating mode	Three-phase / Hybrid
Battery voltage class	High-voltage battery
Maximum PV open-circuit voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Inverter compatibility	Match the system voltage and limits
Warranty terms	Match the destination market
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

Single-Phase Off-Grid Inverter



Rated AC power / power class: 3 / 5 / 6 / 8 / 10 / 12 kW

AC phase / operating mode: Single-phase / Off-grid

TECHNICAL INFORMATION

Single-Phase Off-Grid Inverter

AE-I-TRAIL

Rated AC power / power class	3 / 5 / 6 / 8 / 10 / 12 kW
AC phase / operating mode	Single-phase / Off-grid
Battery voltage class	Match the system voltage and limits
Maximum PV open-circuit voltage	Match the system voltage and limits
Rated charging current	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Inverter compatibility	Match the system voltage and limits
Warranty terms	Match the destination market
System communications	RS-232 / RS-485 / CAN; battery coordination via CAN / RS-485
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

Three-Phase Grid-Tied PV Inverter



Rated AC power / power class: 10 / 15 / 20 / 30 / 40 / 50 / 60 / 100 kW

AC phase / operating mode: Three-phase / Grid-tied PV

TECHNICAL INFORMATION

Three-Phase Grid-Tied PV Inverter

AE-I-BEACON

Rated AC power / power class	10 / 15 / 20 / 30 / 40 / 50 / 60 / 100 kW
AC phase / operating mode	Three-phase / Grid-tied PV
Maximum PV open-circuit voltage	Match the system voltage and limits
Enclosure protection	Specified in the model configuration
Warranty terms	Match the destination market
System communications	RS-485; network monitoring options; PV-only topology
DC input / battery matching	Match the system voltage and limits
AC voltage / frequency selection	Match the destination market
Continuous / surge load matching	Use rated output and specified overload time

PRODUCT COLLECTION

Pre-assembled 16kWh Battery



Cell-level protection & health management: Cell-level voltage and temperature supervision, balancing, SOC/SOH insight and coordinated charge/discharge protection

Battery communications: RS-232 / RS-485 / CAN

Cell arrangement: 16S1P

TECHNICAL INFORMATION

Pre-assembled 16kWh Battery

AE-E-READY-16

Model configuration	16S / 51.2 V / 314 Ah / 16.0768 kWh
Battery chemistry	LiFePO4
Nominal voltage	51.2 V
Energy / capacity (Wh / Ah)	314 Ah / 16.07 kWh
Charge current (rated / max.)	150 A
Discharge current (rated / max.)	200 A
Usable energy / DoD	90% DoD
Battery communications	RS-232 / RS-485 / CAN
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

12.8V 100Ah LiFePO4 Battery



Nominal energy: 1.28 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

12.8V 100Ah LiFePO4 Battery

AE-E-SEED-12V100

Nominal voltage	12.8 V
Nominal capacity	100 Ah
Nominal energy	1.28 kWh
Cell chemistry	LiFePO4
Cell arrangement	4S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

12.8V 150Ah LiFePO4 Battery



Nominal energy: 1.92 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

12.8V 150Ah LiFePO4 Battery

AE-E-SEED-12V150

Nominal voltage	12.8 V
Nominal capacity	150 Ah
Nominal energy	1.92 kWh
Cell chemistry	LiFePO4
Cell arrangement	4S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

12.8V 200Ah LiFePO4 Battery



Nominal energy: 2.56 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

12.8V 200Ah LiFePO4 Battery

AE-E-SEED-12V200

Nominal voltage	12.8 V
Nominal capacity	200 Ah
Nominal energy	2.56 kWh
Cell chemistry	LiFePO4
Cell arrangement	4S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

12.8V 300Ah LiFePO4 Battery



Nominal energy: 3.84 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

12.8V 300Ah LiFePO4 Battery

AE-E-SEED-12V300

Nominal voltage	12.8 V
Nominal capacity	300 Ah
Nominal energy	3.84 kWh
Cell chemistry	LiFePO4
Cell arrangement	4S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

25.6V 100Ah LiFePO4 Battery



Nominal energy: 2.56 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

25.6V 100Ah LiFePO4 Battery

AE-E-SEED-24V100

Nominal voltage	25.6 V
Nominal capacity	100 Ah
Nominal energy	2.56 kWh
Cell chemistry	LiFePO4
Cell arrangement	8S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

25.6V 150Ah LiFePO4 Battery



Nominal energy: 3.84 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

25.6V 150Ah LiFePO4 Battery

AE-E-SEED-24V150

Nominal voltage	25.6 V
Nominal capacity	150 Ah
Nominal energy	3.84 kWh
Cell chemistry	LiFePO4
Cell arrangement	8S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

25.6V 200Ah LiFePO4 Battery



Nominal energy: 5.12 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

25.6V 200Ah LiFePO4 Battery

AE-E-SEED-24V200

Nominal voltage	25.6 V
Nominal capacity	200 Ah
Nominal energy	5.12 kWh
Cell chemistry	LiFePO4
Cell arrangement	8S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PRODUCT COLLECTION

25.6V 300Ah LiFePO4 Battery



Nominal energy: 7.68 kWh

Cold-weather charging protection: Low-temperature charge cutoff helps protect cells in cold conditions

Bluetooth battery intelligence: View state of charge, voltage, current, temperature and battery alerts from a compatible app

TECHNICAL INFORMATION

25.6V 300Ah LiFePO4 Battery

AE-E-SEED-24V300

Nominal voltage	25.6 V
Nominal capacity	300 Ah
Nominal energy	7.68 kWh
Cell chemistry	LiFePO4
Cell arrangement	8S
Cold-weather charging protection	Low-temperature charge cutoff helps protect cells in cold conditions
Bluetooth battery intelligence	View state of charge, voltage, current, temperature and battery alerts from a compatible app
Wired battery communication	No standard RS-232 / RS-485 / CAN interface; configurable BMS versions available
Usable energy basis	Rated energy × permitted DoD
System electrical matching	Match the system voltage and limits

PACK materials, packing & storage



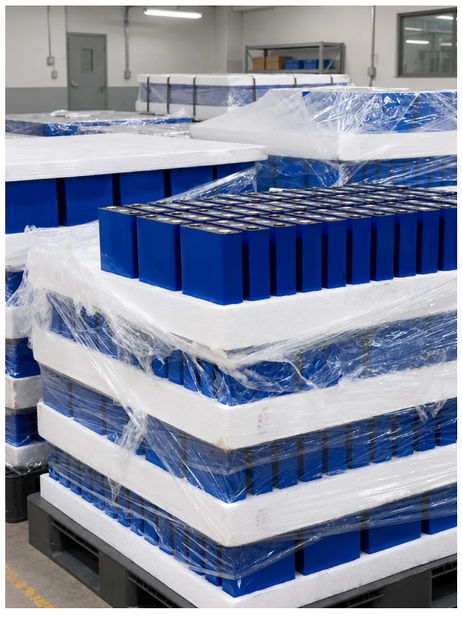
01 / Module connections · process illustration



02 / Protective crate packing



03 / Cell and carton storage



04 / Stretch-wrapped cell trays

AI-generated process illustrations; not photographs of an actual Anthrise facility.

PACK materials, packing & storage



05 / Cell preparation area



06 / Foam-layer packing



07 / Batch staging on pallets

AI-generated process illustrations; not photographs of an actual Anthrise facility.

PACK assembly workflow

01

Incoming checks · OCV / IR

02

Capacity grading & matching

03

Insulation & mechanical fixing

04

Busbar / interconnection assembly

05

BMS & sense wiring

06

Pack electrical verification

07

Charge / discharge verification

08

Final inspection & protective packing

Typical process illustration; actual steps and test limits depend on the confirmed product design. Welded or bolted connections are design-specific. No fixed factory holding period is claimed.