



NEW
ENERGY

NEW ENERGY TECHNOLOGY

Antenergy

Envisioning Green Future



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ANTENERGY

NEW
ENERGY

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INNOVATE FOR A GREEN FUTURE

ABOUT ANTENERGY

Antenergy is a leading technology company dedicated to PV & energy storage solution. Our team has over a decade's experience of global market development and 15 years of expertise in key technological fields, including power electronics, digital technology, energy storage, and thermal design. Committed to core innovation and worldwide service capabilities, Antenergy provides secure, reliable, one-stop solutions and services, aiming to become the premier partner in the new energy sector.

BUSINESS DEVELOPMENT LAYOUT





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Home Energy All-in-one Solution

Home Energy All-in-one

Single Phase All-in-One Solution



Energy Controller or Storage Controller

Single phase grid connection (kW)

3.0

4.0

5.0

6.0

DC Charger Module (kW)

7

Battery (kWh)

5

Support **1 – 8**

batteries combined for a single System

5 kWh– 40 kWh

Energy capacity range for a single System

SPECIFICATIONS

Models	HS3-3K-S2-W/G-PX	HS3-3.6K-S2-W/G-PX	HS3-4K-S2-W/G-PX	HS3-4.6K-S2-W/G-PX	HS3-5K-S2-W/G-PX	HS3-6K-S2-W/G-PX
DC Input						
Max. PV Array Power [Wp]@STC	6000	7200	8000	9200	10000	12000
Max. DC Voltage [V]				600		
MPPT Voltage Range [V]				90~550		
Rated DC Voltage [V]				360		
Start Voltage [V]				100		
Max. DC Input Current [A]				20/20		
Max. DC Short Circuit Current [A]				25/25		
No. of MPPT				2		
AC Output/Input [On-grid]						
Rated AC Power [W]	3000	3600	4000	4600	5000	6000
Max. Apparent Power [VA]	3300	3600	4400	4600	5500	6000
Rated Output Current [A]@230Vac	13	15.7	17.4	20	21.7	26.1
Max. Output Current [A]	14.3	15.7	19.1	20	23.9	27.3
Max. Input Current [A]@230Vac				54.5		
Rated AC Voltage/Range [V]			L+N+PE, 220, 230, 240/180 ~ 280			
Rated Output Frequency/Range [Hz]			50, 60/45 ~ 55, 55 ~ 65			
Power Factor [cos φ]			0.8 leading ~ 0.8 lagging			
Total Harmonic Distortion [THDi]			<3%			
Battery Parameters						
Battery Type			LiFePO4			
Battery Voltage Range[V]			380 ~ 500			
Max. Charging/Discharging Current [A]	15.8/9.2	15.8/10	15.8/12.4	15.8/12.9	15.8/15.2	15.8/16.8
Scalability			BU3-5.0-TV2-PRO (up to 8 battery modules)			
AC Output [Back-up]						
Rated Output Power [W]	3000	3680	4000	4600	5000	6000
Peak Output Apparent Power [VA]	3600,60s	4416,60s	4800,60s	5520,60s	6000,60s	7200,60s
Rated AC Voltage/Range [V]			L+N+PE, 220,230,240/180 ~ 280			
Rated Output Frequency/Range [Hz]			50,60/45 ~ 55,55 ~ 65			
Output THDv (@ Linear Load)			<3%			
Efficiency						
Max. Efficiency			97.60%			
Euro Efficiency			97.20%			
Protection						
Battery Input Reverse Polarity Protection			Integrated			
Over load Protection			Integrated			
AC Short Circuit Current Protection			Integrated			
AC Overcurrent Protection			Integrated			
AC Overvoltage Protection			Integrated			
DC Surge Protection			Type II			
AC Surge Protection			Type II			
Anti-islanding Protection			Integrated			
AFCI Protection			Integrated			
Interface						
PV Connection			MC4/D4			
AC Connection			Plug-in connector			
Battery Connection			Quick connector			
Display			LED+APP			
Communication			Wi-Fi/Ethernet/4G(Optional)			
General Parameters						
Topology			Non-isolated			
Operating Temperature Range			(-30°C ~ +50°C)			
Cooling Method			Natural Convection			
Relative Humidity Range			0-100% Non-condensing			
Max. Operating Altitude [m]			3000			
Noise [dBA]			<35			
Ingress Protection			IP65			
Inverter Dimensions [H*W*D] [mm]			400*695*170			
Battery Dimensions [H*W*D] [mm]			420*695*170			
Inverter Weight [kg]			27.5			
Battery Weight [kg]			53			
Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-21, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1					
Charger Model						
Output Voltage [V AC]			CU2-7.4K-S-1			
Max. output Current [A]			230, ± 20%			
Rated Output Power [kW]			32			
Power Consumption (standby) [W]			7			
Dimension [mm] [H*W*D]			160*695*170			
Weight [kg]			9			
Working Temperature			(-30°C to +50°C)			
Ambient Humidity			5~95% non-condensing			

Home Energy All-in-one

Three Phase All-in-One Solution



Energy Controller or Storage Controller

Three phase grid connection (kW)

5.0

6.0

8.0

10

12

DC Charger Module (kW)

11

Battery (kWh)

5

Support 1 – 8

batteries combined for a single System

5 kWh– 40 kWh

Energy capacity range for a single System

SPECIFICATIONS

Models	HS3-5K-T2-W/G-PX	HS3-6K-T2-W/G-PX	HS3-8K-T2-W/G-PX	HS3-10K-T2-W/G-PX	HS3-12K-T2-W/G-PX
DC Input					
Max. PV Array Power [Wp]@STC	10000	12000	12000	15000	15000
Max. DC Voltage [V]			1000		
MPPT Voltage Range [V]			180 ~ 900		
Rated DC Voltage [V]			600		
Start Voltage [V]			180		
Max. DC Input Current [A]			20/20		
Max. DC Short Circuit Current [A]			25/25		
No. of MPPT			2		
AC Output/Input (On-grid)					
Rated AC Power [W]	5000	6000	8000	10000	12000
Max. Apparent Power [VA]	5500	6600	8000	11000	12000
Rated Output Current [A]@230Vac	7.2	8.7	11.6	14.5	17.4
Max. Output Current [A]	8	9.6	12.8	15.9	17.4
Max. Input Current [A]@230Vac			29		
Rated AC Voltage/Range [V]		3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485			
Rated Output Frequency/Range [Hz]		50, 60/45 ~ 55, 55 ~ 65			
Power Factor [cos φ]		0.8 leading ~ 0.8 lagging			
Total Harmonic Distortion [THDi]		<3%			
Battery Parameters					
Battery Type			LiFePO4		
Battery Voltage Range[V]			380 ~ 500		
Max. Charging/Discharging Current [A]	30/15.8	30/18.4	30/25	30/30	30/30
Scalability		BU3-5.0-TV2-PRO (up to 8 battery modules)			
AC Output (Back-up)					
Rated Output Power [W]	5000	6000	8000	10000	12000
Peak Output Apparent Power [VA]	7500,60s	9000,60s	12000,60s	15000,60s	15000,60s
Rated AC Voltage/Range [V]		3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485			
Rated Output Frequency/Range [Hz]		50,60/45 ~ 55,55 ~ 65			
Output THDv (@ Linear Load)		<3%			
Efficiency					
Max. Efficiency			98.00%		
Euro Efficiency			97.60%		
Protection					
Battery Input Reverse Polarity Protection			Integrated		
Over load Protection			Integrated		
AC Short Circuit Current Protection			Integrated		
AC Overcurrent Protection			Integrated		
AC Overvoltage Protection			Integrated		
DC Surge Protection			Type II		
AC Surge Protection			Type II		
Anti-islanding Protection			Integrated		
AFCI Protection			Integrated		
Interface					
PV Connection			MC4/D4		
AC Connection			Plug-in connector		
Battery Connection			Quick connector		
Display			LED+APP		
Communication			Wi-Fi/Ethernet/4G(Optional)		
General Parameters					
Topology			Non-isolated		
Operating Temperature Range			(-30°C ~ +50°C)		
Cooling Method			Natural Convection		
Relative Humidity Range			0-100% Non-condensing		
Max. Operating Altitude [m]			3000		
Noise [dBA]			<35		
Ingress Protection			IP65		
Inverter Dimensions [H*W*D] [mm]			450*695*170		
Battery Dimensions [H*W*D] [mm]			420*695*170		
Inverter Weight [kg]			34		
Battery Weight [kg]			53		
Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-21, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1				
Charger Model			CU2-11K-T-I		
Output Voltage [V AC]	400, ± 20%				
Max. output Current [A]	16				
Rated Output Power [kW]	11				
Power Consumption (standby) [W]	5				
Dimension [mm] [H*W*D]	160*695*170				
Weight [kg]	9				
Working Temperature	(-30°C to +50°C)				
Ambient Humidity	5~95% non-condensing				



NEW
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On-Grid Inverter

Single-Phase On-grid inverter

3KW-10KW

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1

Efficient Higher Revenue

- 2MPP Trackers , Max. input current per string:20A
- 150% DC Input Oversizing
- Compatible with high power modules

2

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485/WIFI/4G: remote monitoring and operation via PC or mobile phones

3

Reliable Worry Free

- IP66 Protection Degree: support outdoor installation
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATIONS

Models	Ant-3KSP	Ant-5KSP	Ant-6KSP	Ant-8KSP	Ant-10KSP
Input (DC)					
Max. Input Power	4.5KW	7.5KW	9KW	12KW	15KW
Max. Input Voltage			600V		
Start Voltage		60V		80V	
Rated Input Voltage			360V		
MPPT Voltage Range			50V-550V		
Number of MPP Trackers		1		2	
Number of MPP Trackers/ String per MPPT			1/1		
Max. Current per MPPT			20A		
Max. ShortCircuitCurrent per MPPT			26A		
Output (AC)					
Max. Output Current	10A	22.7A	30A	40A	45.5A
Rated Output Power	3KW	5KW	6KW	8KW	10KW
Max. Output Power	3.3KVA	5KVA	6.65KVA	8.8KVA	10KVA
Rated Grid Frequency			50 Hz/ 60Hz		
Rated Grid Voltage			220Vac / 230Vac / 240Vac		
Power Factor			0.99 (0.8 leading~0.8 lagging)		
THD1			<3% (Rated Power)		
Efficiency					
Max. Efficiency	97.60%	97.80%	98.30%	98.10%	
European Efficiency	97.20%	97.30%	97.40%	97.30%	
MPPT Efficiency			99.90%		
Protection					
DC switch			Optional		
DC Reverse Polarity Protection			yes		
Anti-islanding Protection			yes		
AC Short Circuit Protection			yes		
Residual Current Monitoring Unit			yes		
Insulation Resistance Monitoring			yes		
Ground Fault Monitoring			yes		
Grid Monitoring			yes		
PV String Monitoring			yes		
Surge Protection			yes		
AFCI Protection			Optional		
Communication					
Display			LCD / LED+APP		
Communication			RS485 /WIFI / 4G		
Standard Compliance					
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727 /IEC62116		IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI0-21, CIO/CII, G98/G99, RD244, UNE217001, UNE217002, TOR Erzeuger, AS4777, ABNT, NB/T 32004		
General Data					
Dimensions (W x H x D)	270 x 250 x 130 mm	270 x 250 x 145 mm		380 x 380 x 160 mm	
Weight		6kg		13kg	
Operating Temperature Range			(-30° C~ +60° C)		
Cooling Method		Natural		Smart Cooling	
Protection Degree			IP66		
Max. Operating Altitude			4000m		
Relative Humidity			0~100%		
Topology			Transformerless		
Night Power Consumption			<1W		

Three-Phase On-grid inverter

8KW-15KW



1

Efficient Higher Revenue

- 2MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Wide MPPT voltage range: 180V-1000V
- Compatible with high power modules

2

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WIFI/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

3

Reliable Worry Free

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATIONS

Models	Ant-8KTP	Ant-10KTP	Ant-12KTP	Ant-15KTP
Input (DC)				
Max. Input Power	12.8KW	16KW	19.2KW	24KW
Max. Input Voltage		1100V		
Start Voltage		200V		
Rated Input Voltage		600V		
MPPT Voltage Range		180V-1000V		
Number of MPP Trackers/ String per MPPT		2/1		
Max. Current per MPPT		18A		
Max. ShortCircuitCurrent per MPPT		25A		
Output (AC)				
Max. Output Current	12.8A	15.9A	19.1A	23.9A
Rated Output Power	8KW	10KW	12KW	15KW
Max. Output Power	8.8KVA	11KVA	13.2KVA	16.5KVA
Rated Grid Frequency		50 Hz/ 60Hz		
Rated Grid Voltage		230Vac / 400Vac, 3L / N /PE		
Power Factor		0.99 (0.8 leading~0.8 lagging)		
THD1		<3% (Rated Power)		
Efficiency				
Max. Efficiency		98.70%		
European Efficiency		98.50%		
MPPT Efficiency		99.90%		
Protection				
DC Reverse Polarity Protection		yes		
Anti-islanding Protection		yes		
AC Short Circuit Protection		yes		
Residual Current Monitoring Unit		yes		
Insulation Resistance Monitoring		yes		
Ground Fault Monitoring		yes		
Grid Monitoring		yes		
Surge Protection		Type II		
AFCI Protection		Optional		
Communication				
Display		LCD / LED+APP		
Communication		Standard: RS485 Optional: WIFI / GPRS / Ethernet		

Standard Compliance	
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC61683, IEC60068, IEC61727/IEC62116, EN50549, CEIO-21, CIO/CII, VDE 4105, VDE 0124, G98/G99, RD244, UNE217001, UNE217002, NC RIG, TOR Erzeuger, AS4777, ABNT, NB/T 32004, BIS

General Data	
Dimensions (W x H x D)	481 x 390 x 190 mm
Weight	13.5kg
Operating Temperature Range	(-30° C~ +60° C)
Cooling Method	Natural
Protection Degree	IP66
Max. Operating Altitude	4000m
Relative Humidity	0~100%
Topology	Transformerless
Night Power Consumption	<1W

Three-Phase On-grid inverter

20KW-40KW



1

Efficient Higher Revenue

- 3-4MPP Trackers, high single circuit tracking accuracy, fast dynamic response
- 160% DC Input Oversizing
- Maximum efficiency of 98.6%. Wide MPPT voltage range: 200V-1000V
- Compatible with high power modules

2

Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485 (WIFI/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile

3

Reliable Worry Free

- IP66 Protection degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATIONS

Models	Ant-20KTP	Ant-25KTP	Ant-30KTP	Ant-36KTP	Ant-40KTP
Input (DC)					
Max. Input Power	32KW	40KW	48KW	57.6KW	64KW
Max. Input Voltage			1100V		
Start Voltage			250V		
Rated Input Voltage			600V		
Full-load MPPT Voltage Range	480V-800V	520V-800V		500V-800V	
MPPT Voltage Range		520V-800V		200V-1000V	
Number of MPP Trackers		2	3		4
Number of MPP Trackers/ String per MPPT	2/2	2/3		2	
Max. Current per MPPT	32A	32A/48A		26A	
Max. ShortCircuitCurrent per MPPT	40A	40A/60A		32A	
Output (AC)					
Max. Output Current	32.1A	39.8A	48.3A	57.8A	64.3A
Rated Output Power	20KW	25KW	30KW	36KW	40KW
Max. Output Power	22.2KVA	27.5KVA	33.3KVA	39.6KVA	44KVA
Rated Grid Frequency			50 Hz/ 60Hz		
Rated Grid Voltage			230Vac / 400Vac, 3L / N / PE		
Power Factor			0.99 (0.8 leading~0.8 lagging)		
THD1			<3% (Rated Power)		
Efficiency					
Max. Efficiency		98.40%		98.60%	
European Efficiency		98.00%		98.50%	
MPPT Efficiency			99.90%		
Protection					
DC Reverse Polarity Protection			yes		
Anti-islanding Protection			yes		
AC Short Circuit Protection			yes		
Residual Current Monitoring Unit			yes		
Insulation Resistance Monitoring			yes		
Ground Fault Monitoring			yes		
Grid Monitoring			yes		
PV String Monitoring			yes		
Surge Protection			Type II		
AFCI Protection			Optional		
Communication					
Display			LCD / LED+APP		
Communication			Standard: RS485		
			Optional: WIFI / GPRS / Ethernet		
Standard Compliance					
		IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC60068, IEC61683, EN 50549, IEC61727/IEC62116, CEI 0-21, CIO/CII, VDE 4105, VDE 0124, RD244, UNE217001, UNE217002, NC RIG, AS4777, NB/T 32004, BIS	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727 /IEC62116, CEI 0-21,CIO/CII, VDE 4105, VDE 0124, RD244, UNE217001, UNE217002, NC RIG, TOR Erzeuger, AS4777, NRS097-2-I, NB/T 32004, BIS		
Certification					
General Data					
Dimensions (W x H x D)	534 x 440 x 220 mm			600 x430 x 230 mm	
Weight	30kg			32kg	
Operating Temperature Range			(-30° C~ +60° C)		
Cooling Method			Smart Cooling		
Protection Degree			IP66		
Max. Operating Altitude			4000m		
Relative Humidity			0~100%		
Topology			Transformerless		
Night Power Consumption			<1W		

Three-Phase On-grid inverter

50KW-70KW



- 1 Efficient Higher Revenue**
 - * 4MPPT Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation 160% DC Input Oversizing
 - * Wide MPPT voltage range: 200V-1000V
 - * Compatible with high power modules
- 2 Intelligent Simple O&M**
 - * Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
 - * Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
 - * Support RS485 (WIFI/GPRS/Ethernet optional): remote monitoring and operation
- 3 Reliable Worry Free**
 - * IP66 Protection degree: support outdoor installation
 - * DC & AC Type II SPD: prevent lightning damage
 - * AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATIONS

Models	Ant-50KTP		Ant-60KTP		Ant-70KTP	
Input (DC)						
Max. Input Power	80KW		96KW		112KW	
Max. Input Voltage			1100V			
Start Voltage			250V			
Rated Input Voltage	600V				700V	
Full-load MPPT Voltage Range	520V-850V				600V-850V	
MPPT Voltage Range			200V-1000V			
Number of MPP Trackers			4			
Number of MPP Trackers/ String per MPPT	3/2/3/2				3/3/3/3	
Max. Current per MPPT	39A/26A				39A	
Max. ShortCircuitCurrent per MPPT	48A/32A				48A	
Output (AC)						
Max. Output Current	79.7A		95.6A		92.6A	
Rated Output Power	50KW		60KW		70KW	
Max. Output Power	55KVA		66KVA		77KVA	
Rated Grid Frequency			50 Hz/ 60Hz			
Rated Grid Voltage			230Vac / 400Vac		277Vac / 480Vac	
Power Factor			0.99 (0.8 leading~0.8 lagging)			
THD1			<3% (Rated Power)			
Efficiency						
Max. Efficiency	98.70%				98.80%	
European Efficiency			98.40%		98.50%	
MPPT Efficiency			99.90%			
Protection						
DC Reverse Polarity Protection			yes			
Anti-islanding Protection			yes			
AC Short Circuit Protection			yes			
Residual Current Monitoring Unit			yes			
Insulation Resistance Monitoring			yes			
Ground Fault Monitoring			yes			
Grid Monitoring			yes			
PV String Monitoring			yes			
Surge Protection			Type II			
AFCI Protection			Optional			
Communication						
Display			LCD / LED+APP			
Communication			Standard: RS485			
			Optional: WIFI / GPRS / Ethernet			
Standard Compliance						
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI 0-21,CEI 0-16, CIO/CII, VDE 4105, VDE 0124, G99, RD244, UNE217001, UNE217002, NC RIG, NRS097-2-I, NB/T 32004, BIS					
General Data						
Dimensions (W x H x D)			650 x 450 x 260 mm			
Weight			50kg			
Operating Temperature Range			(-30° C~ +60° C)			
Cooling Method			Smart Cooling			
Protection Degree			IP66			
Max. Operating Altitude			4000m			
Relative Humidity			0~100%			
Topology			Transformerless			
Night Power Consumption			<1W			

Three-Phase On-grid inverter

100KW-150KW



- 1

**Efficient
Higher Revenue**

- 9-12 MPP Trackers, high single circuit tracking accuracy, fast dynamic response and higher power generation
 - 150% DC Input Oversizing
 - Wide MPPT voltage range: 180V-1000V
 - Compatible with high power modules
- 2

**Intelligent
Simple O&M**

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
 - Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
 - Support RS485 (WIFI/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones
- 3

**Reliable
Worry Free**

- IP66 Protection degree: support outdoor installation
 - DC & AC Type II SPD: prevent lightning damage
 - AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

SPECIFICATIONS

Models	Ant-100KTP	Ant-110KTP	Ant-125KTP	Ant-150KTP
Input (DC)				
Max. Input Voltage			1100V	
Start Voltage			200V	
Rated Input Voltage		620V		730V
MPPT Voltage Range			180V-1000V	
Number of MPP Trackers		8/2		9/2
Number of MPP Trackers/ String perMPPT		2		
Max. Current per MPPT		40A		
Max. ShortCircuitCurrent per MPPT		50A		
Output (AC)				
Max. Output Current	159A	175A	198.5A	198.5A
Rated Output Power	100KW	110KW	125KW	150KW
Max. Output Power	110KW	121KW	137.5KW	165KW
Rated Grid Frequency			50 Hz/ 60Hz	
Rated Grid Voltage		230Vac / 400Vac, 3L / N / PE, 3L / PE		277Vac / 480Vac, 3L / PE
Power Factor			0.99 (0.8 leading~0.8 lagging)	
THD1			<3% (Rated Power)	
Efficiency				
Max. Efficiency			98.60%	
European Efficiency			98.00%	
MPPT Efficiency			99.90%	
Protection				
DC Reverse Polarity Protection			yes	
Anti-islanding Protection			yes	
AC Short Circuit Protection			yes	
Residual Current Monitoring Unit			yes	
Insulation Resistance Monitoring			yes	
Ground Fault Monitoring			yes	
Grid Monitoring			yes	
PV String Monitoring			yes	
Surge Protection			Type II	
AFCI Protection			Optional	
PID Recovery			Optional	
Communication				
Display			LCD / LED+APP	
Communication			Standard: RS485 Optional: WIFI / DRM / Bluetooth/4G	
General Data				
Dimensions (W x H x D)			1040 x 670 x 350 mm	
Weight			85kg	
Operating Temperature Range			(-30° C~ +60° C)	
Cooling Method			Smart forced air cooling	
Protection Degree			IP66	
Max. Operating Altitude			4000m	
Relative Humidity			0~100%	
Topology			Transformerless	
Night Power Consumption			<1W	



NEW
ENERGY

Off-grid All-in-one and Hybrid Inverter

Off-grid All-in-one

5KW/5KWh



- 1

All in one design

The inverter and battery are integrated into a single unit, simplifying the installation process and saving space.
- 2

High-efficiency energy conversion

High inverter efficiency reduces energy loss, providing more available electricity.
- 3

Strong environmental adaptability

Suitable for outdoor installation, capable of adapting to various environmental conditions.

SPECIFICATIONS

Model	DDYTJSG51100-5k-R	DDYTJSG51100-5k-R
Battery		
Cell Chemistry	LFP	
Nominal Energy (Wh)	5120	
Nominal Capacity (Ah)	100	
Nominal Votage (V)	51.2	
Working Voltage Range (VDC)	44.8~57.6	
Max. Charge/Discharge Current (A)	100A	
BMS Communication	CAN2.0/RS485	
PV Input		
Max. PV Input Power (W)	7500	
Max. PV Input Voltage (V)	600	
MPPT Voltage Range (V)	100~550	
Start-up Voltage (V)	125	
Number of MPPTs	2	
Number of PV Strings per MPPT	1/1	
Max. PV Input Current (A)	20	
AC Input and Output (On-grid)		
Nominal Input/Output Apparaent Power (VA)	5000	
Nominal Input/Output Voltage (V)	230	
Nominal Grid Frequency (Hz)	50/60	
Max. Output Current (A)	21.7	
THDi	<3%	
Power Factor	0.8 leading~0.8 lagging	
Switch time (ms)	10	
Grid Connection	Single Phase	
General Information		
Dimension [H*W*D] (mm)	500*834*156	320*660*499
Packing Dimension [H*W*D] (mm)	598*930*275	380*720*590
Weight (kg)	63	61
Packing Weight (kg)	67	63
Permissible Altitude (m)	4000 (>2000 derating)	
Dispaly Screen	LCD/LED	
IP Rating	IP21	
Working Temperature (℃)	(-20~60)	
Relative Humidity	0~95%, no condensation	
Cycle Life	6000 cycles	
Warranty	5 years	
Installation Type	Wall-mounted	Portable
Certification	IEC62619/EN61000-6-1/EN61000-3/RoHS/UN38.3	

Off-grid Hybrid inverter

3KW-6KW



Off-grid Solution



SPECIFICATIONS

Technical Data	FSA-4K1P-BL	AO-5KSL-G1	AO-6KSL-G1
Solar input Data			
Max. PV Input Power	4400W	6000W	7800W
Max. Input Voltage		550V	
Start-up Voltage	90V	120V	
MPPT Voltage Range	60V-450V	90V-500V	
Max. Input Current per Mppt	18A	27A	27A
Max. Short Circuit Current per Mppt	23A	33.75A	33.75A
Number of Mppt		1	
AC Input Data (Grid&Generator)			
Nominal Input Voltage		230Vac, L/N/PE	
Input Voltage Range		90~280Vac	
Max. Input Current	25A		35A
Nominal Input Power	5700W		8050W
AC Frequency Range		50/60Hz (Auto sensing)	
Battery Data			
Battery Type		Li-Ion/Lead-acid	
Nominal Battery Voltage	24V		48V
Battery Voltage Range	20-30V		42-60V
Max. Discharge Current	137A		
Max. Charge/Discharge Power	3300W	115A	137A
LHOn Battery Activation		5000/5520W	6000/6576W
LHOn Battery Communication		Yes	
Max. Solar Charge Current	120A	CAN/RS485	
Max. AC Charge Current	100A	100A	120A
Max. Charge Current (PV+AC)	120A	80A	100A
		100A	120A
Inverter Output Data			
Nominal Output Power	4000W	5000W	6000W
Peak Apparent AC Power	8000VA	10000VA	12000VA
Nominal AC Voltage		230V	
Nominal Grid Frequency		50/60Hz	
Voltage Waveform		Pure Sine wave	
Transfer Time		10ms	
Max. Output Current	17.4A	22A	27A
Overload Protection	30s@102%-110% load, 10s@110%-130% load; 5s@130%-200% load	3s@130%-150% load, 70s@110%-130% load	
THDv (@linear load)		<3%	
Efficiency			
Peak Efficiency		94%	
MPPT Efficiency		≥99.9%	
Protect			
DC Surge Protection		Yes	
AC Surge Protection		Yes	
AC Short Circuit Protection		Yes	
System Parameters			
Dimension (W*H*D)	290*423*116.6mm	333*580 5*120mm	
Weight	7.2kg	10 6kg	
Relative Humidity		5%~95% (Non-condensing)	
Operating Temperature Range		(-10℃~60℃)	
Noise Emission		<50dB	
Altitude		4000m	
Cooling Method		Fan Cooling	
Ingress Protection		IP20	
Characteristic			
Number of AC Output	2	2	2
Display		LCD&APP	
Communication Interface		RS485/ USB /CAN/ Wi-F	
Parallel Capability	9	9	9

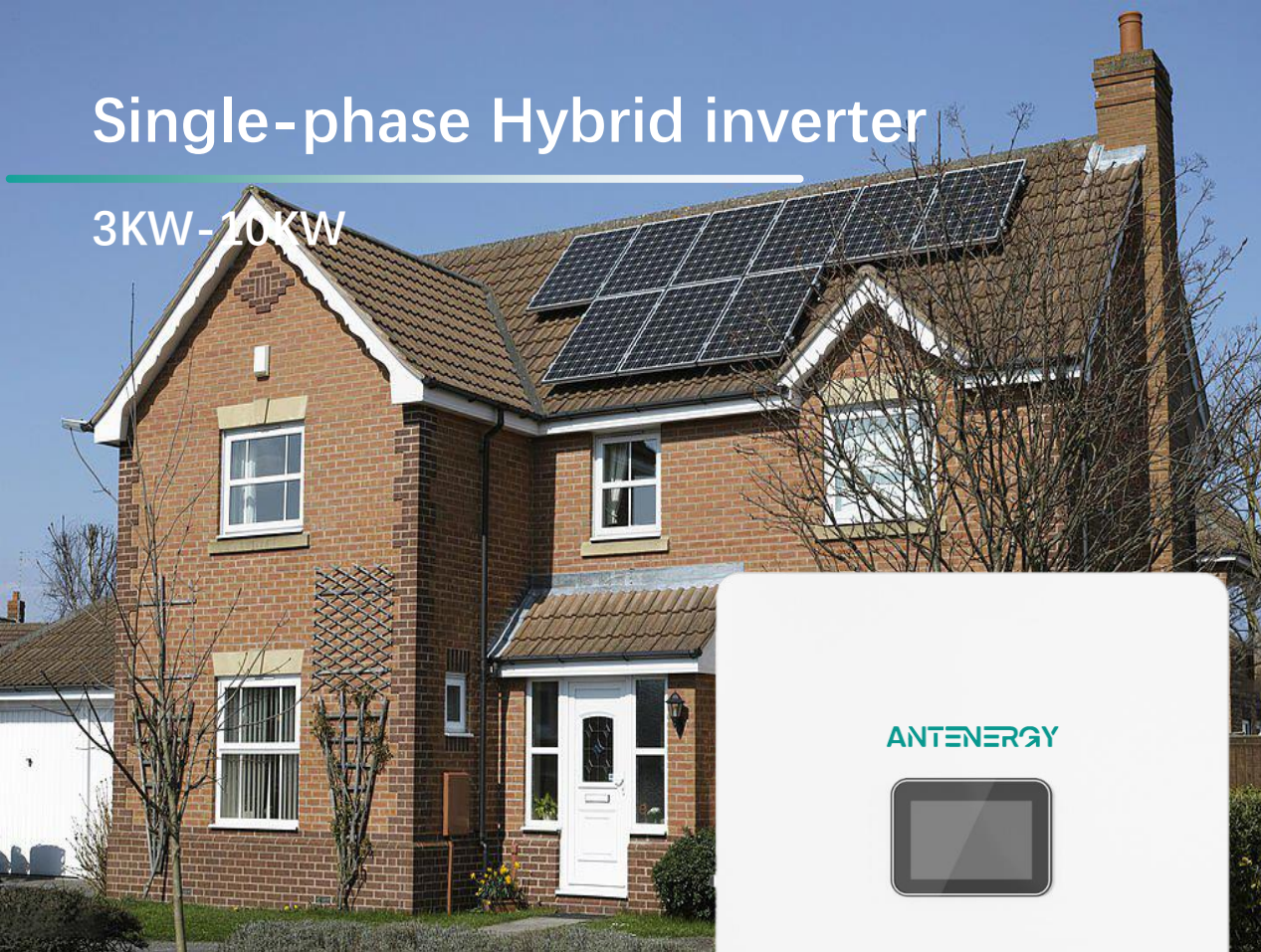


NEW
ENERGY

Hybrid Inverter

Single-phase Hybrid inverter

3KW-10KW



KEY STRENGTHS

- ◆ Support on/off-grid AC coupling function
- ◆ Support intelligent load management (customized)
- ◆ Optimized EMC design, more stable operation
- ◆ Support BMS remote upgrade function (customized)
- ◆ Support three-phase and multi-machine parallel connection

SPECIFICATIONS

Model	R3KL1DA-G2S	R4KL1DA-G2S	R5KL1DA-G2S	R6KL1DA-G2S	R8KL1DA-G2S	R10KL1DA-G2S
PV input data						
Max. PV input power (kW)	4.5	6	7.5	9	12	15
Max. PV input voltage (V)				550		
Start-up voltage (V)				100		
MPPT voltage range (V)				100~430		
Rated PV input voltage (V)				360		
No. of MPPT trackers				2		
No. of strings per MPPT tracker		1/1				1/2
Max. input current per MPPT (A)		16/16				16/16+16
Max. short-circuit current per MPPT (A)		24/24				24/24/24
Battery input data						
Battery type				Lithium-ion / Lead-acid		
Max. charge / discharge power (kW)	3	4	5	6	8	10
Battery voltage range (V)				40~58		
Battery voltage range@full-load (V)				160-550		
Rated battery voltage (V)				48		
Max. charging / discharging current (A)	60/60	80/80	100/100	120/120	160/160	200/200
Rated charge / discharge current (A)	60/60	80/80	100/100	120/120	160/160	200/200
Charging strategy for Li-Ion battery				Self-adaption to BMS		
BMS communication				CAN		
AC output data (grid side)						
Rated output power (kW)	3	4	5	6	8	10
Max. apparent output power (kVA)	3.3	4.4	5	6.6	8.8	10
Max. apparent input power(kVA)	3.3	4.4	5	6.6	8.8	10
Rated grid voltage (V)				230		
Grid voltage range (V)				176~270		
Grid input voltage (V)				230		
Rated grid frequency (Hz)				50/60		
Grid frequency range(Hz)				47~61		
Rated output current (A)	13	17.4	21.7	26.1	34.8	43.5
Max. AC output current (A)	14.3	19.1	21.7	28.7	38.3	43.5
Max. apparent input current (A)	14.3	19.1	21.7	28.7	38.3	43.5
Power factor			1 (0.8 leading - 0.8 lagging)			
Max. grid passthrough current(A)	19.56	26.08	32.6	39.1	43.5	
THDi				< 3%		
Grid type				L+N+PE		
AC output data (back-up)						
Rated output power (kW)	3	4	5	6	8	10
Max. apparent output power (kVA)	3.3	4.4	5	6.6	8.8	10
Rated output voltage (V)				230		
Rated output frequency (Hz)				50/60		
Rated output current (A)	13	17.4	21.7	26.1	34.8	43.5
Max. AC output current (A)	14.3	19.1	21.7	28.7	38.3	43.5
Peak output power		≥110%, 10mins; ≥120%, 1min; ≥130%, 1s; ≥150%, 100ms				
Back-up switch time (ms)				<20		
THDu				<3%		
Protection						
Supported protection	PV reverse polarity protection, Anti-islanding protection, Ground fault protection,Leakage current protection, Insulation resistance detection, Backup output short circuit protection, AC under-voltage protection, AC output over-current protection, AC over-voltage protection					
Surge protection	DC Type III / AC Type III					
Over voltage category	DC Type III / AC Type III					
Certifications and standards						
Certificates	ENIEC 61000-6-1:2019, EN IEC 61000-6-3:2021; EN 62109-1:2010; EN 62109-2:2011					
General data						
Ingress protection	IP65					
Operating temperature range (°C)	(-25~+60)					
Cooling	Natural convection					
Relative humidity (m)	0-95% (non-condensing)					
Operating altitude (m)	0~2000m (derating over 2000m)					
Dimensions W*D*H (mm)	476×215×477 (without generator port); 476×215×510 (with generator port)				486×231×530	
Weight (kg)	20.5 (without generator port); 20.7 (with generator port)				25.8	
Topology (solar / battery)	Transformerless / Transformerless					
Noise emission (dB)	<35					
PV connection terminals	MC4					
Display and communication						
Display	LCD					
Communication	485/CAN					

Three-phase Hybrid inverter

6KW-15KW



KEY STRENGTHS

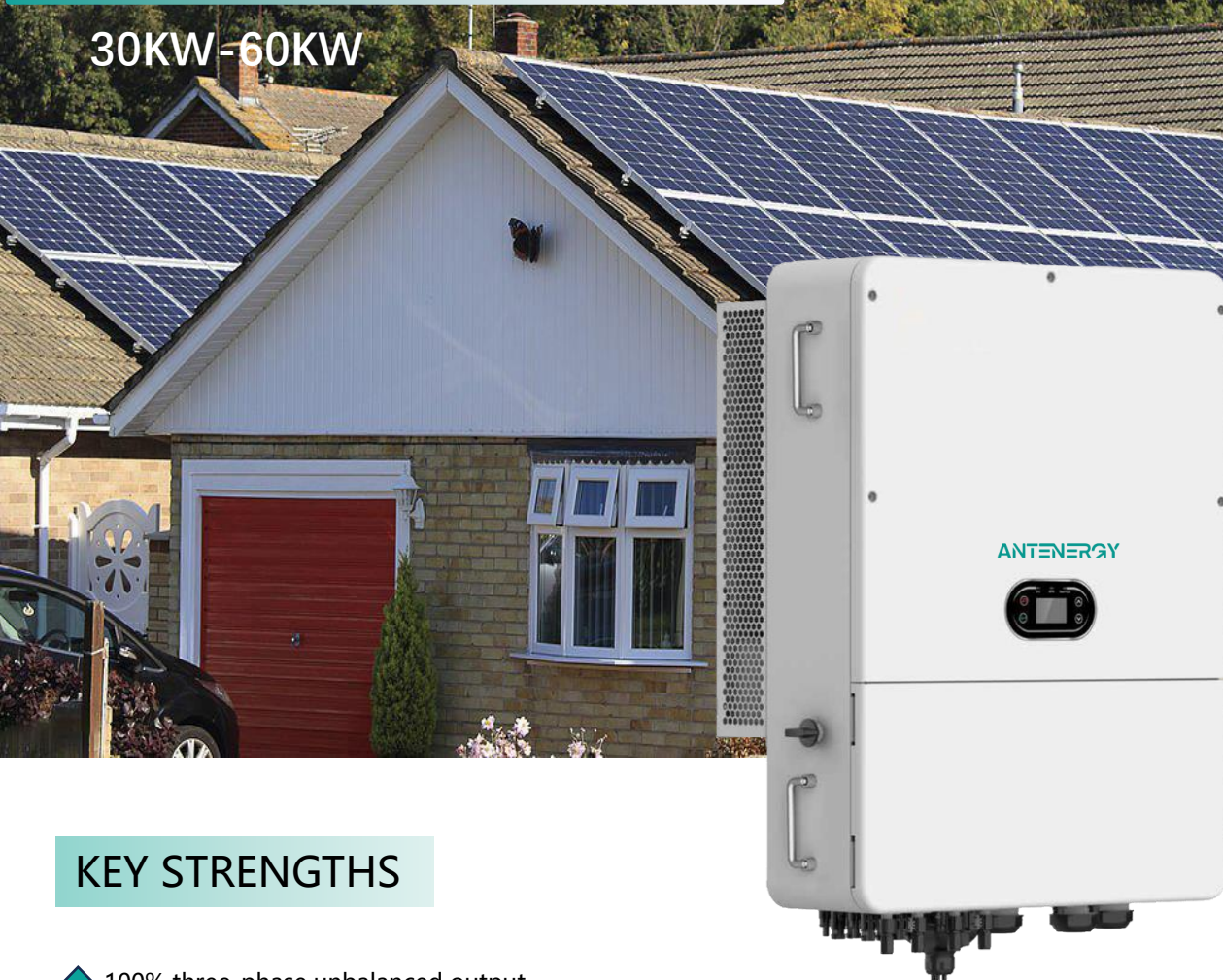
- ◆ Support BMS (RS485) remote upgrade.
- ◆ Support full power discharge, automatic battery charge and discharge management
- ◆ Compatible with single-phase and three-phase loads.
- ◆ Support 100% unbalanced load output.
- ◆ Support high power components.

SPECIFICATIONS

Model	R6KH3-P	R8KH3-P	R10KH3-P	R12KH3-P	R15KH3-P
PV input data					
Max. PV input power (kW)	9	12	15	18	22.5
Max. PV input voltage (V)			1000		
Min. PV input voltage (V)			125		
Start-up voltage (V)			125		
MPPT voltage range (V)			180~850		
MPPT voltage range@full-load (V)			250~850		
Rated PV input voltage (V)			600		
No. of MPPT trackers			2		
No. of strings per MPPT tracker			1/1		2/2
Max. input current per MPPT (A)			18/18		20/20
Max. short-circuit current per MPPT (A)			25/25		30/30
Battery input data					
Battery type			Lithium-ion / Lead-acid		
Max. charge / discharge power (kW)	6.6	8.8	11	13.2	16.5
Battery voltage range (V)			150~550		
Battery voltage range@full-load (V)	180-550	230-550	285-550	340-550	425-550
Max. charging / discharging current (A)			50/50		
Rated charge / discharge current (A)			1540/400~550		
Charging strategy for Li-Ion battery			Self-adaption to BMS		
BMS communication			CAN		
AC output data (grid side)					
Rated output power (kW)	6	8	10	12	15
Max. apparent output power (kVA)	6.6	8.8	11	13.2	16.5
Max. apparent input power(kVA)	13.2	17.6	22	26.4	33.3
Rated grid voltage (V)			220 / 380; 230 / 400		
Grid voltage range (V)			187~264.5		
Grid input voltage (V)			380; 400		
Rated grid frequency (Hz)			50/60		
Grid frequency range(Hz)			45-55 / 55-65		
Rated output current (A)	8.7	11.5	14.4	17.3	21.7
Max. AC output current (A)	9.5	12.7	15.9	19.1	23.8
Power factor			0.99 (0.8 leading - 0.8 lagging)		
THDi			< 3%		
Grid type			3L+N+PE		
AC output data (back-up)					
Rated output power (kW)	6	8	10	12	15
Max. apparent output power (kVA)	6.6	8.8	11.1	13.2	16.5
Rated output voltage (V)			220 / 380; 230 / 400		
Rated output frequency (Hz)			50/60		
Rated output current (A)	8.7	11.5	14.4	17.3	21.7
Max. AC output current (A)	9.5	12.7	15.9	19.1	23.8
Peak output power		≥110%, 10mins; ≥120%, 1.25min; ≥150%, 20ms			
Back-up switch time (ms)			<10		
THDu			<2%		
Protection					
Supported protection	PV reverse polarity protection, Anti-islanding protection, Ground fault protection, Battery reverse protection, Leakage current protection, Insulation resistance detection, Backup output short circuit protection, AC under-voltage protection, AC output over-current protection, AC over-voltage protection				
Over voltage category	DC Type III / AC Type III				
Certifications and standards					
Certificates	IEC 61000-6-1/-2/-3/-4, IEC 61000-3-11, IEC61000-3-12; EN 62109-1, EN 62109-2; EN50549-1; EN50549-10; EN50438; G98/G99:2022; VDE-AR-N 4105:2018; CEI 0-21:2022; C10/11; Rfg:2016/NC Rfg:2018/PTPiREE:2021; NRS 097-2-1:2017; Hungary; NTS V2.1:2021-07&UNE217002:2020&UNE217001:2020; NA/EEA-NE7 – CH 2020; OVE Directive R 25:2020, TOR Erzeuger Type A V1.2; TR3.3.1:2019;ANRE228; ANRE228; NA/EEA-NE7; PPDS:2022 for A1&A2; RS 097-2-1 :2017; OVE Directive R 25:2020, TOR Erzeuger Type A V1.2; EIFS 2018:2				
General data					
Ingress protection	IP65				
Operating temperature range (°C)	(-25~+60)				
Cooling	Natural cooling				
Relative humidity (m)	0-95%				
Operating altitude (m)	4000 (> 2000m power derating)				
Dimensions W*D*H (mm)	566 x 593.5 x 219.5				
Weight (kg)	32				
Topology (solar / battery)	Transformerless / Transformerless				
Noise emission (dB)	<45				
Display and communication					
Display	LCD				
Communication	RS485,CAN,WiFi				

Three-phase Hybrid inverter

30KW-60KW



KEY STRENGTHS

- ◆ 100% three-phase unbalanced output.
- ◆ Max. charging /discharging current of 240A.
- ◆ Support storing energy from diesel generator.
- ◆ Ac coupling to retrofit Existing solar system.
- ◆ Max. 10 pcs parallel for on-grid And off-grid operation; Support multiple batteries parallel.
- ◆ 6 time periods for battery charging/discharging .
- ◆ 48V low voltage battery, transformer isolation design.

SPECIFICATIONS

Models	XD30KTR	XD40KTR	XD50KTR	XD60KTR
Input (PV)				
Max. Input Power	45000Wp	60000Wp	75000Wp	90000Wp
Max. Input Voltage			1100V	
Start-up Voltage			200V	
Rated Voltage			620V	
MPPT Voltage Range			180V-1000V	
Number of MPP Trackers			4	
Number of String per MPPT			8	
Max. Current per MPPT			4*40A	
Max. Short Circuit Current per MPPT			4*60A	
Output (On-Grid)				
Rated Output Power	30kW	40 kW	50 kW	60 kW
Max. Output Power	33kVA	44 kVA	55 kVA	66 kVA
Max. Output Current	50A	66.7 A	83.4 A	100 A
Max. Input Power from Grid	45kW	60 kW	75 kW	90 kW
Max. Input Current from Grid	68.4A	91 A	113.7A	136.4A
Rated Grid Voltage		3 / N / PE, 230 V / 400 Vac		
Rated Grid Frequency		50Hz / 60Hz		
THDi(@Rated Power)		<3%		
Power Factor		0.8 leading ~ 0.8 lagging		
Battery				
Battery Type		Lithium		
Battery Voltage Range		160V - 850V		
Max. Charge / Discharge Power	44kW		55kW	66kW
Max. Charge / Discharge Current		2*100A		
Communication		CAN / RS485		
Output (EPS)				
Rated Output Power	30kW	40kW	50kW	60kW
Max. Output Power		1.5 times / 10s		
Max. Output Current	45.6A	60.7 A	75.8 A	91 A
Switch Time		<10ms		
Rated Voltage		3 / N / PE, 230V / 400Vac		
Rated Frequency		50Hz / 60Hz		
Max. AC passthrough current		150A		
THDv (@linear load)		<2%		
Output (Generator)				
Max. Output Power	30kW	40kW	50kW	60kW
Max. Output Current	45.6A	60.7 A	75.8 A	91 A
Rated Voltage		3 / N / PE, 230V / 400Vac		
Rated Frequency		50Hz / 60Hz		
Efficiency				
Max. Efficiency		98.40%		
European Efficiency		97.50%		
Battery Charge / Discharge Efficiency		97.50%		
Protection				
Protection	DC Switch, DC Reverse Polarity Protection, Anti-islanding Protection, AC Short Circuit Protection, Residual Current Monitoring, Ground Fault Monitoring, Over Current /Voltage Protection, Battery Active Function, I-V Curve Scan			
Surge Protection		Type II		
AFCI Protection		Optional		
General Data				
Display		LCD / LED		
Dimension (W x H x D)		620 x 900 x 300 mm		
Operating Temperature Range		(-30 ~ +60°C)		
Cooling Method		Smart Cooling		
Protection Degree		IP66		
Max. Operating Altitude		4000m		
Relative Humidity		0~95%		
Self-consumption		<15W		
Topology		Transformerless		

A graphic featuring two overlapping hexagons. The top hexagon contains a blue sky with white clouds, and the bottom hexagon contains a green field with a line of trees in the distance. The text "NEW ENERGY" is written in white, bold, sans-serif capital letters across the center of the hexagons.

NEW
ENERGY

Battery

Battery

RESIDENTIAL Wall Mount 5KWh-10KWh

Product Features

- Streamlined for wall-mounted convenience, optimizing space without compromising perfor
- Harnesses LiFeP04 technology for superior efficiency and reliability in energy storage
- Includes an advanced Battery Management System (BMS) for enhanced safety and intelligent monitoring
- Seamlessly integrates with various applications, ensuring adaptability and efficiency
- Delivers enduring performance with a robust warranty for reliability and peace of mind



SPECIFICATIONS

Model	RPES-WM3(51.2V100A)	RPES-WM4(51.2V200Ah)
Rated Voltage	51.2V	
Rated Capacity	100Ah	200Ah
Rated Energy	5.12kWh	10.24kWh
Output Voltage Range	43.2V~58.4V	
Charging Voltage	57.6~58.4V	
Cut-off Voltage	43.2V	
Max. Charging Current	100A	
Recommended Charging Current	50A	
Max.Discharging Current	100A	
Efficiency	> 98%	
Dimension L *W*H (mm)	622*400*153	680*412*231
Weight (kg)	45	86
Humidity	5%~95% Relative humidity	
Charging Temperature	0°C -55°C	
Discharging Temperature	(-20°C -60°C)	
Storage Temperature	(-10°C -30°C)	
Cycle Life	>6000 times (0.2C , @25°C, 80%DOD)	
Design Life	>10 years	
Operating Mode	Press Button	Touch Screen

Application scenarios



Battery

RESIDENTIAL Floor type 10KWh-15KWh

Product Features

- Easily movable with built-in wheels, offering unmatched convenience
- Provides abundant power with 51.2V 300Ah capacity, ensuring long-lasting energy storage
- Simple installation for seamless integration into residential systems
- Equipped with built-in safeguards against overcharging and over-discharging for ultimate safety
- Conveniently monitor battery status and control from anywhere, adding a modern touch to your energy management
- Delivers consistent and reliable power supply, ensuring uninterrupted performance for your residential needs



SPECIFICATIONS

Model	RPES-WM2 (51.2V200A)	RPES-W2 (51.2V300Ah)
Rated Voltage	51.2V	
Rated Capacity	200Ah	300Ah
Rated Energy	10.24kWh	15.36kWh
Output Voltage Range	43.2V~58.4V	
Charging Voltage	57.6~58.4V	
Cut-off Voltage	43.2V	
Max. Charging Current	100A	150A
Recommended Charging Current	50A	
Max.Discharging Current	100A	150A
Efficiency	> 98%	
Dimension L *W*H (mm)	495*780*217	825*413*233
Weight (kg)	92	110
Humidity	5%~95% Relative humidity	
Charging Temperature	0℃ -55℃	
Discharging Temperature	(-20℃ -60℃)	
Storage Temperature	(-10℃ -30℃)	
Cycle Life	>6000 times (0.2C , @25℃, 80%DOD)	
Design Life	>10 years	
Operating Mode	Press Button	Touch Screen

Application scenarios



Villa



Private Home



Manor



Small farm



NEW
ENERGY

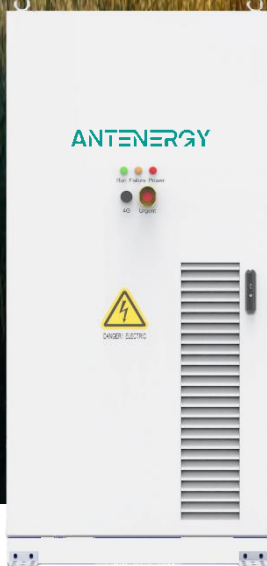
C&I Energy Storage System One-stop Service

C&I Energy Storage System

One-stop Service



105K215ES-A
105K233ES-L
105K215ES-L



62K107ES-A
(0.5C/1C)

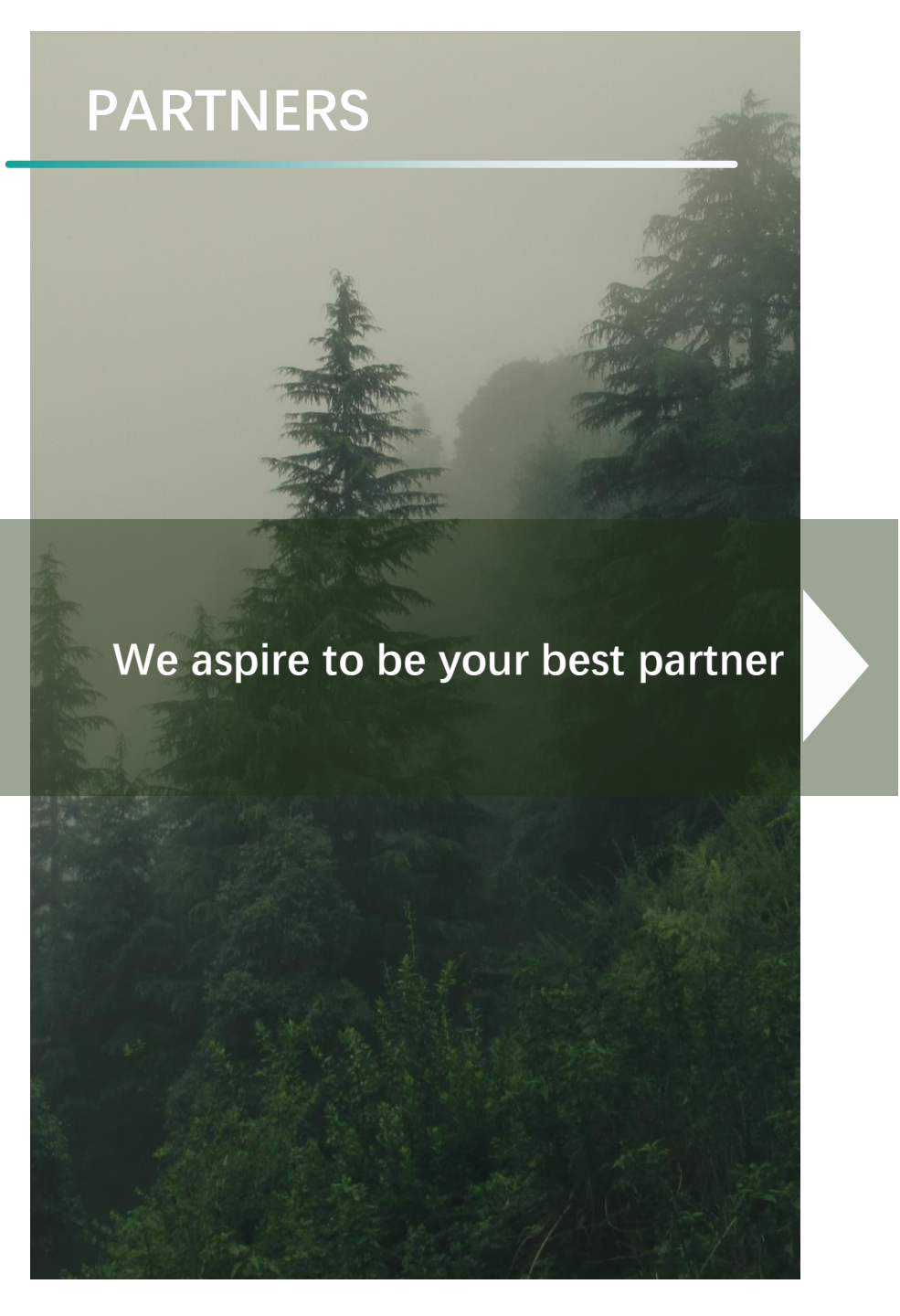


105K215ES-A
105K233ES-L

SPECIFICATIONS

Models	62K107ES-A (0.5C/1C)	105K215ES-A	105K215ES-A	105K233ES-L	105K233ES-L	105K215ES-L
DC Side						
Rated Battery Capacity	107kWh	215kWh	215kWh	233kWh	233kWh	215kWh
Rated Battery Voltage	819.2V	768V	819.2V	832V	832V	768V
Battery Voltage Range	768V - 921.6V	720V - 864V	768V - 921.6V	780V-936V		720V - 864V
Battery Type				LFP		
Cell Capacity	131Ah	280Ah	131Ah			280Ah
Battery Lifespan	8,000 cycles (0.5C/1C, 5%~95%DOD, 700%SOH) Energy Cycle Efficiency					
Standard Charge/Discharge Current	0.5C/1C	0.5C				
Series-Parallel Connection Method	1P*8S*32S	1P48S (5 PACK)	2*1P*8S*32S	1P52S (5 PACK)		
Module Cooling Melhod	Air-cooling				Liquid-cooling	
AC Side						
Rated AC Power	62.5kW/105kW	105kW				
Maximum Efficiency	98.5%					
Rated AC Voltage	230/400V					
Grid Vol Lage Range	320 ~460V					
Rated AC Frequency	50/60Hz					
Total Harmonic Distortion of CurrentTHDI	<3% (Rated Power)					
Power Factor	(-1 Leading - +1Lagging)					
Total Harmonic Distortion of Voltage THDU	<3% (Linear Load)					
PCS Cooling Method	Air-cooling					
Photovoltaic DCDC Parameter (optional)						
Maximum Input Component Power	100kW	/	100kW	100kW(50KW*2)	/	/
MPPT Voltage Range	200 ~850V	/	200 ~850V	200 ~850V	/	/
Number of MPPT Tracks	1- 2 Lrack	/	1- 2 Lrack	1- 2 Lrack	/	/
STS (Optional)						
Raled Power	200kW (grid side 100kW, load side 100kW)	/	200kW (grid side 100kW, load side 100kW)	/	/	
Switching Time	≤20ms	/	≤20ms	/	/	
System Parameter						
Energy Cycle Efficiency	≥88%	≥90%	≥88%	≥90%		
Protection Level	IP55	IP54				
Corrosion Protection Level	C3 by default, C4/C5 optional					
Isolation Melhod	Non-isolated (Isolation transformer optional)					
Relative Humidity	0~95% (No condensation)					
Operating Temperature	(-30℃~55℃)					
Cooling Melhod	Intelligent Air Cooling	Liquid Cooling	Intelligent Air Cooling	Liquid Cooling		
Altitude	<4,000m (derating over 2,000m)					
BMS Communication	CAN2.0b					
EMS Communication	4G/CAN/RS485					
Dimensions (W*D*H)	1,000'1,300'2,100 mm	1,310 * 995 * 2,100mm	1,850..*1,250mm*2,280m	1,692mm*1,385mm*2,220mm	1,040mm *1,322mm*2,320mm	
Weight (Approx.)	1.8t	3.2t	3t	3.2t	3t	
Annual Degradation Rate	<3%					
Warranty	5 years					

PARTNERS



We aspire to be your best partner

Safety

Committed to providing safe products and solutions with comprehensive lifecycle services to ensure the security of customer assets

Convenience

Dedicated to delivering convenient products and solutions, providing customers with prompt and professional services

Stability

Stable products and solutions, steadfast business relationships, enabling customers to achieve consistent returns

More Values

Creating and sharing value together with our customers and partners



Thank you