

HINAESS

Together For A Blue Future

HINAESS COMMERCIAL 0.5C RATE

0.5C

Continuous Power

10

Year Warranty

IP20/65

Options

Stackable

Flexible size

Handy

Quick install

280Ah

6000 cycles





IP65
OUTDOOR
CABINET



**Container
Solution**



40kW/60kWh

Inverter 40kW

- Luxpower TriP 20k*2
- PV up to 60kW,1000V
- System current up to 100A,100~700V
- UPS 40kW



Battery 60kWh

- HINAESS PowerStack
- 70.4V/72Ah, 5.069kWh, 0.7C
- 30kWh*2 Stack
- Voltage range 369.6-481.8V
- 736*382*1209mm/290Kg*2
- IP65 Protection



60kW/90kWh

Inverter 60kW

- Luxpower TriP 20k*3
- PV up to 90kW,1000V
- System current up to 150A,100~700V
- UPS 60kW



Battery 90kWh

- HINAESS PowerStack
- 70.4V/72Ah, 5.069kWh, 0.7C
- **30kWh*3 Stack**
- Voltage range 369.6-481.8V
- 736*382*1209mm/290Kg*3
- **IP65 Protection**



40kW/114kWh

Inverter 40kW

- Luxpower TriP 20k*2
- PV up to 60kW,1000V
- System current up to 100A,100~700V
- UPS 40kW



Battery 114kWh

- HINAESS C14, 14.336kWh, 0.5C
- 2stack/6slots Rack
- 8Batt+1*BCU+1*BAU
- Voltage range 358.4-454.4V
- 1048*748*1613mm/1000Kg
- IP65 outdoor cabinet option available



60kW/129kWh

Inverter 60kW

- Luxpower TriP 20k*3
- PV up to 90kW,1000V
- System current up to 140A,100~700V
- UPS 60kW



Battery 129kWh

- HINAESS C14, 14.336kWh, 0.5C
- 2stack/6slots Rack
- 9Batt+1*BCU+1*BAU
- Voltage range 403.2-511.2V
- 1048*748*1613mm/1110Kg
- IP65 outdoor cabinet option available



80kW/157kWh

Inverter 80kW

- Luxpower TriP 20k*4
- PV up to 120kW,1000V
- System current up to 140A,100~700V
- **UPS 78kW**



Battery 157kWh

- HINAESS C14, 14.336kWh, 0.5C
- 2stack/6slots Rack
- 11Batt+1*BCU+1*BAU
- Voltage range 492.8-624.8V
- 1048*748*1613mm/1325Kg
- IP65 outdoor cabinet option available



80kW/229kWh

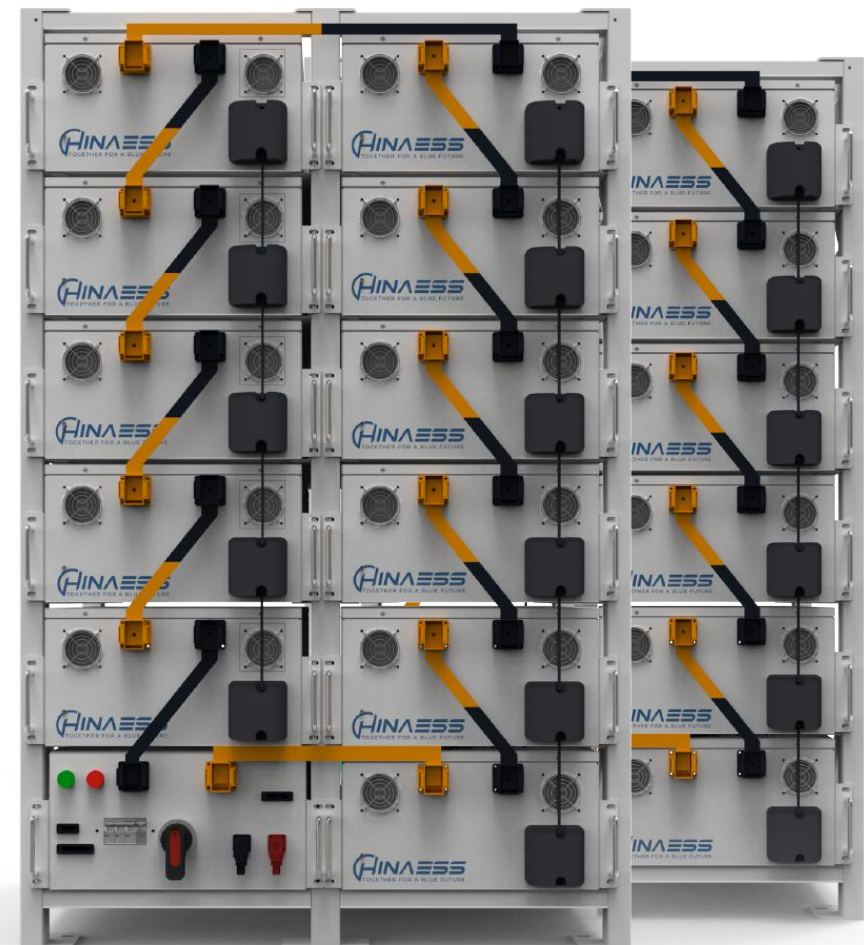
Inverter 80kW

- Luxpower TriP 20k*4
- PV up to 120kW,1000V
- System current up to 200A,100~700V
- UPS 80kW



Battery 229kWh

- HINAESS C14, 14.336kWh, 0.5C
- 2stack/6slots Rack*2
- 16Batt+2*BCU+1*BAU
- Voltage range 358.4-454.4V
- 1048*748*1613mm/2000Kg
- IP65 outdoor cabinet option available



100kW/229kWh

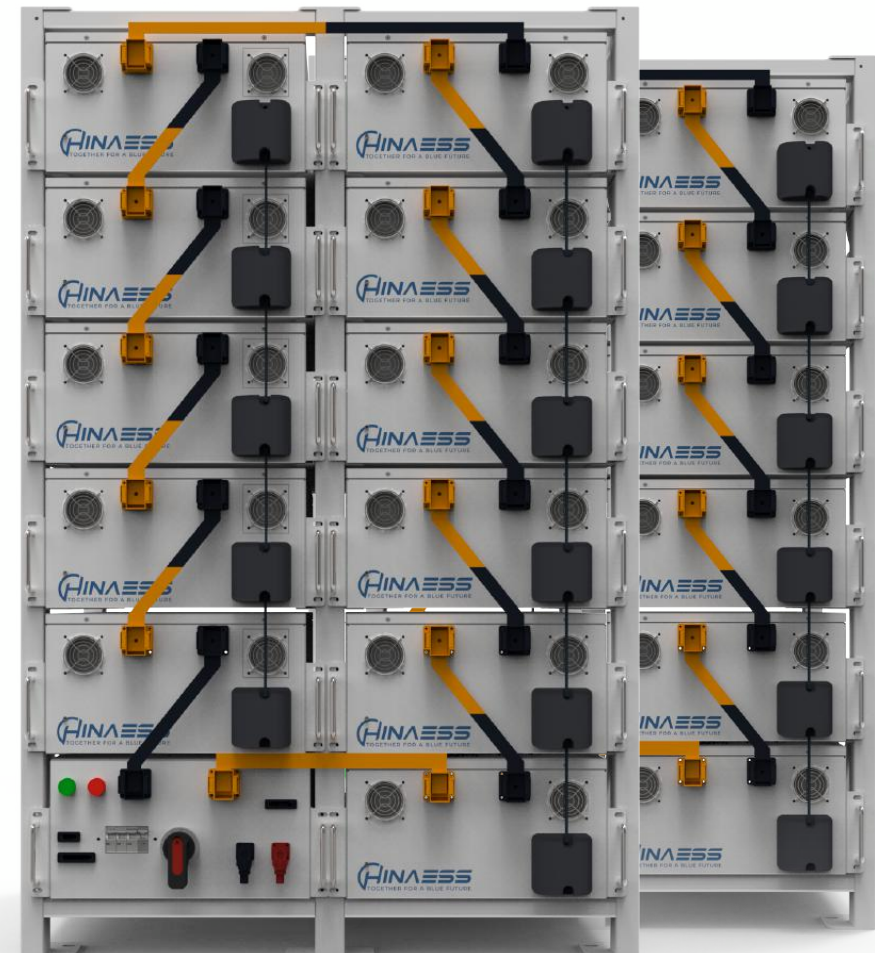
Inverter 100kW

- Luxpower TriP 20k*5
- PV up to 150kW,1000V
- System current up to 250A,100~700V
- UPS 100kW



Battery 229kWh

- HINAESS C14, 14.336kWh, 0.5C
- 2stack/6slots Rack*2
- 16Batt+2*BCU+1*BAU
- Voltage range 358.4-454.4V
- 1048*748*1613mm/2000Kg
- IP65 outdoor cabinet option available



SPEC SHEET

2 Stack 6 Slots

100 - 157 kWh



HINAESS	Size	100KWh	114kwh	129kWh	143kWh	157KWh
Battery Module	Battery module	C14				
	Rated voltage	51.2V				
	Voltage range	44.8-56.8V				
	Rated capacity	280Ah				
	Rated energy	14.336kWh				
	Rated charge/discharge current	140A				
	Dimension(W/D/H) / Weight	504*781*236mm / 108Kg				
Battery Rack	Battery Rack Configuration	7S	8S	9S	10S	11S
	Configuration	7 batt + 1 BCU	8 batt + 1 BCU	9 batt + 1 BCU	10 batt + 1 BCU	11 batt + 1 BCU
	Rated energy	100.352KWh	114.688kwh	129.024kWh	143.36kWh	157.696KWh
	Rated voltage	358.4V	409.6V	460.8V	512V	563.2V
	Voltage range	313.6-397.6V	358.4-454.4V	403.2-511.2V	448-568V	492.8-624.8V
	Rated charge/discharge	0.5C				
	Display	7" Touch screen				
	BMS	Included				
	Communication	CAN				
	Monitoring	RS485				
	Dimension(W/D/H)	1048*748*1613mm				
	Weight	890kg	1000kg	1110kg	1215kg	1325kg
	Protection level	IP20				
LCD Display	Cell voltage	Yes				
	Cell hight voltage	Yes				
	Cell low voltage	Yes				
	Cell temperature	Yes				
	Charge and dicharge current	Yes				
	Total battery voltage	Yes				
	Battery SOC	Yes				
Protection	Fault warning	Yes				
	Short circuit protection	Yes				
	Over current protection	Yes				
	Over charge protection	Yes				
	Over discharge protection	Yes				
	Cell over-vol protection	Yes				
	Cell under-vol protection	Yes				
	Over temperature protection	Yes				

SPEC SHEET

2 Stack 8 Slots

1 7 2 - 2 1 5 k W h



HINAESS	Size	172KWh	186KWh	200KWh	215KWh
Battery Module	Battery module	C14			
	Rated voltage	51.2V			
	Voltage range	44.8-56.8V			
	Rated capacity	280Ah			
	Rated energy	14.336kWh			
	Rated charge/discharge current	140A			
	Dimension(W/D/H) / Weight	504*781*236mm / 108Kg			
Battery Rack	Battery Rack Configuration	12S	13S	14S	15S
	Configuration	12 batt + 1 BCU	13 batt + 1 BCU	14 batt + 1 BCU	15 batt + 1 BCU
	Rated energy	172.032KWh	186.368KWh	200.704KWh	215.04KWh
	Rated voltage	614.4V	665.6V	716.8V	768V
	Voltage range	537.6-681.6V	582.4-738.4V	627.2-795.2V	672-852V
	Rated charge/discharge	0.5C			
	Display	7" Touch screen			
	BMS	Included			
	Communication	CAN			
	Monitoring	RS485			
	Dimension(W/D/H)	1048*748*2105mm			
	Weight	1500kg	1605kg	1725kg	1850kg
	Protection level	IP20			
LCD Display	Cell voltage	Yes			
	Cell hight voltage	Yes			
	Cell low voltage	Yes			
	Cell temperature	Yes			
	Charge and dicharge current	Yes			
	Total battery voltage	Yes			
	Battery SOC	Yes			
	Fault warning	Yes			
Protection	Short circuit protection	Yes			
	Over current protection	Yes			
	Over charge protection	Yes			
	Over discharge protection	Yes			
	Cell over-vol protection	Yes			
	Cell under-vol protection	Yes			
	Over temperature protection	Yes			

TriP 6-20K



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New TriP, New Journey 3-Phase Solution

INPUT (PV DC)	TriP 6K	TriP 8K	TriP 10K	TriP 12K	TriP 15K	TriP 20K
Max. PV array power (W)	9000	12000	15000	18000	22500	30000
Reted PV input voltage (V)	650					
Number of independent MPPT inputs	2			3		
Max. PV input voltage (V)	1000					
MPPT voltage range (V)	200~900					
Start-up voltage (V)	160					
Max. PV input current per MPPT (A)	20/20			40/40/40		
Max. PV short-circuit current input per MPPT	25/25(A:1/B:1)			50/50/50(A:2/B:2/C:2)		
Battery						
Compatible battery type	Lithium-ion/Lead-Acid					
Rated battery voltage (V)	400					
Battery voltage range (V)	100~700					
Max. charging voltage (V)	700					
Max. charging/discharging current (A)	50					
Max. charging/discharging power (W)	6000	8000	10000	12000	15000	20000
Force wake up battery from PV fuction(Y/N)	YES					
Grid						
Rated AC voltage (V)	230/400					
Rated AC frequency (Hz)	50					
Rated AC output current (A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated AC output power (W)	6000	8000	10000	12000	15000	20000
Rated AC input current (A)	11.4	15.3	19	22.8	28.5	37.9
Rated AC input power (W)	6000	8000	10000	12000	15000	20000
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)					
THDI	<3%					
Rated AC current of BYPASS relays (A)	90					
UPS						
Rated output power (W)	6000	8000	10000	12000	15000	20000
Rated output voltage (V)	230/400					
Rated output current (A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated output frequency (Hz)	50					
Surge power, duration	1.5Pn, 10s					
Switching time	20ms					
Wave form	Sine wave					
THDV	<3%					
Efficiency						
Max. efficiency	97.4%					
Max.charging/discharging efficiency	97.2%					
Protection						
PV reverse polarity protection(Y/N)	YES					
Over current/voltage protection(Y/N)	YES					
Anti-islanding protection	YES					
AC Short-circuit protection	YES					
Leakage current protecion	YES					
Grid monitoring	YES					
DC switch	YES					
Ingress protection	YES					
DC Surge protection Type III	YES					
AC Surge protection Type III	YES					
General						
Dimensions (W*H*D)	605*563*257mm/24*22.4*10.2inch					
Weight	43kg/94.8lbs					
Ingress protection rating	IP65					
Operating environment temperature range	-25~60℃					
Storage temperature range	-40~70℃					
Relative humidity	0~100%					
Display & Communication interface	Touch color screen, RS485/Wifi/CAN					
Warranty	5 years					
Cooling method	Natural cooling			Smart cooling		
Topology	Transformer-less					
Altitude	<4000m					
Noise emission (typical)	<50dB					
Standard & Certification						
VDE4105+0214, TOR Type A/B:2022						



Say goodbye to loadshedding woes

Thank you

