



HPS30/50 HPS100/120/150

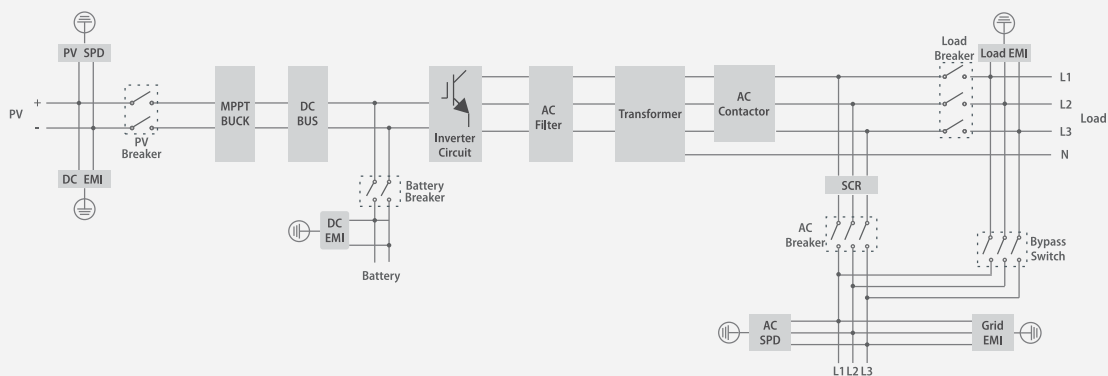
Large capacity all-in-one hybrid inverter for commercial application, supporting up to 600kW system capacity.

Features

-  All-in-one hybrid inverter
-  Seamless on/off grid transfer within 10 ms
-  Programmable working mode
-  Support remote control of DG
-  Touchscreen LCD
-  Quadruple capacity by paralleling 4 units



Block Diagram



	HPS30	HPS50	HPS100	HPS120	HPS150
AC(on-grid)					
Apparent power	33kVA	55kVA	110kVA	132kVA	165kVA
Rated power	30kW	50kW	100kW	120kW	150kW
Rated voltage	400V	400V	400V	400V	400V
Rated current	43A	72A	144A	173A	217A
Voltage range	360V-440V	360V-440V	360V-440V	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Frequency range	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz
THDI	<3%	<3%	<3%	<3%	<3%
PF	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading
AC connection	3/N/PE	3/N/PE	3/N/PE	3/N/PE	3/N/PE
AC input	60kVA	100kVA	200kVA	240kVA	240kVA

	HPS30		HPS50		HPS100		HPS120		HPS150	
AC(off-grid)										
Apparent power	33kVA		55kVA		110kVA		132kVA		165kVA	
Rated power	30kW		50kW		100kW		120kW		150kW	
Rated voltage	400V		400V		400V		400V		400V	
Rated current	43A		72A		144A		173A		217A	
THDU	≤2% linear		≤2% linear		≤2% linear		≤2% linear		≤2% linear	
Rated frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Overload capability	110%-10 mins	120%-1 min	110%-10 mins	120%-1 min	110%-10 mins	120%-1 min	110%-10 mins	120%-1 min	110%-10 mins	120%-1 min

	HPS30	HPS50	HPS100	HPS120	HPS150
DC (Battery and PV)					
Max. PV open-circuit voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
Max. PV power	45kWp	75kWp	150kWp	180kWp	225kWp
PV MPPT voltage range	480V-800V DC	480V-800V DC	480V-800V DC	480V-800V DC	480V-800V DC
Battery voltage range at Max. charge power	450V-600V	500V-600V	500V-600V	517V-600V	500V-600V
Battery voltage range	352V-600V	352V-600V	352V-600V	352V-600V	352V-600V
Max. charge power	45kW	75kW	150kW	180kW	225kW
Max. discharge power	33kW	55kW	110kW	132kW	165kW
Max. charge current	100A	150A	300A	350A	450A
Max. discharge current	93A	156A	313A	374A	467A

	HPS30	HPS50	HPS100	HPS120	HPS150
General Information					
Protection degree	IP20	IP20	IP20	IP20	IP20
Noise emission	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C
Cooling method	Forced-air	Forced-air	Forced-air	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing
Max. altitude	6000m (derate over 3000m)	6000m (derate over 3000m)	6000m (derate over 3000m)	6000m (derate over 3000m)	6000m (derate over 3000m)
Dimension (W/H/D)	700/1660/600mm	950/1860/750mm	1200/1900/800mm	1200/1900/800mm	1200/1900/800mm
Weight	355kg	610kg	948kg	1025kg	1230kg
Build-in transformer	Yes	Yes	Yes	Yes	Yes
Lightning protection	Type II	Type II	Type II	Type II	Type II
Transfer between on/off grid	Automatic≤10ms	Automatic≤10ms	Automatic≤10ms	Automatic≤10ms	Automatic≤10ms
Standby consumption	<30W	<30W	<30W	<30W	<30W

	HPS30	HPS50	HPS100	HPS120	HPS150
Communication					
Display	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN









	HPS30	HPS50	HPS100	HPS120	HPS150
Certificate					
	CE , MEA , PEA , UKCA, AS 4777.2, EN 61000-6-2:2019 , EN 61000-6-4:2019 , EN62109-1:2010 , EN62109-2:2011 , EN 50549-1:2019 , IEC62109.1 , IEC62109.2, NRS 097-2-1:2017, G99, VDE-AR-N 4105:2018,DIN VDE V 0124-100:2020-06, PSE:2018-12				

* The MPPT voltage of PV strings should be 50~200V higher than the Max battery voltage.

HPS30000TL HPS40000TL/HPS50000TL

30-50kW three phase all-in-one hybrid inverter for small commercial use.

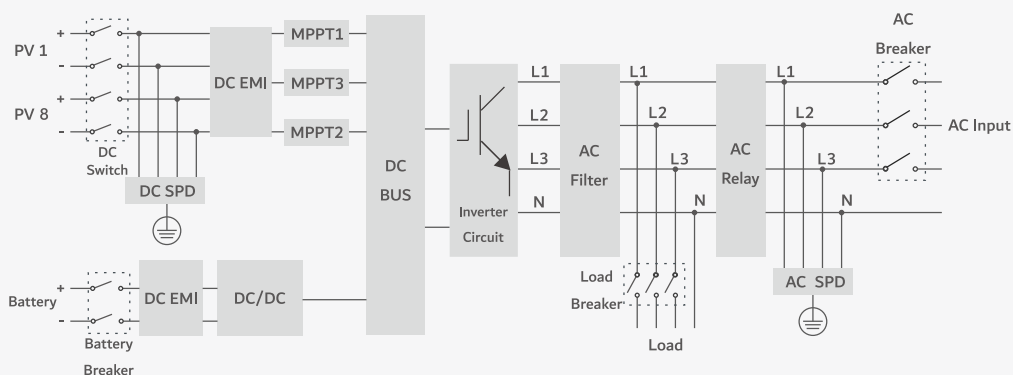
Features

-  All-in-one hybrid inverter
-  Compact design
-  Touchscreen LCD
-  Seamless on/off grid transfer within 10 ms
-  Max. 8 units in parallel for on&off grid operation
-  Support remote control of DG
-  Programmable working mode
-  Multiple MPPT inputs

*Note: Parallel operation for 4 inverters is available.
8 inverters in Parallel is currently being tested.



Block Diagram



	HPS3000TL	HPS4000TL	HPS5000TL
AC(on-grid)			
Apparent power	33kVA	44kVA	55kVA
Rated power	30kW	40kW	50kW
Rated voltage	400V	400V	400V
Rated current	43A	57A	72A
Voltage range	360V-440V	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Frequency range	47~53/57~63Hz	47~53/57~63Hz	47~53/57~63Hz
THDI	<3%	<3%	<3%
PF	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading
AC connection	3/N/PE	3/N/PE	3/N/PE

AC(off-grid)			
Apparent power	33kVA	44kVA	55kVA
Rated power	30kW	40kW	50kW
Rated voltage	400V	400V	400V
Rated current	43A	57A	72A
THDU	≤2% linear	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz	50/60Hz
Overload capability	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min

DC (Battery and PV)			
Max. PV Open-circuit voltage	1000V	1000V	1000V
Max. PV power	45kWp	60kWp	75kWp
PV MPPT voltage range	125V-850V	125V-850V	125V-850V
Number of MPPT	3	3	3
PV input/MPPT	2/3/3	2/3/3	2/3/3
PV input current	40/60/60A	40/60/60A	40/60/60A
Max. PV Isc	60/90/90A	60/90/90A	60/90/90A
Max. PV Isc/Channel	20A	20A	20A
Battery voltage range	260-700V	260-700V	260-700V
Full load battery voltage range	350-720V	430-700V	500-700V
Max. charge/discharge power	30kW	40kW	50kW
Max. charge/discharge current	100A	100A	100A

General Information			
Protection devices	PV DC switch, PV fuse, battery breaker and fuse	PV DC switch, PV fuse, battery breaker and fuse	PV DC switch, PV fuse, battery breaker and fuse
Protection degree	IP54	IP54	IP54
Noise emission	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25 °C~+55 °C	-25 °C~+55 °C	-25 °C~+55 °C
Cooling method	Forced-air	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing
Max. altitude	5000m (derate over 3000m)	5000m (derate over 3000m)	5000m (derate over 3000m)
Dimension (W/H/D)	600/990/280mm	600/990/280mm	600/990/280mm
Weight	90kg	90kg	90kg
Topology	Transformerless	Transformerless	Transformerless
Lightning protection	Type II	Type II	Type II
Transfer between on/off grid	Automatic≤10ms	Automatic≤10ms	Automatic≤10ms
Standby consumption	<20W	<20W	<20W

Communication			
Display	Touch screen	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN	RS485/CAN

Certificate			
CE , EN IEC 61000-6-4:2019 , EN 61000-3-12:2011 , EN IEC 61000-3-11:2019 , EN IEC 61000-6-2:2019 , EN62109-1:2010 , EN62109-2:2011 , NRS097-2-1:2017			

PCS100/250/500/630/1000

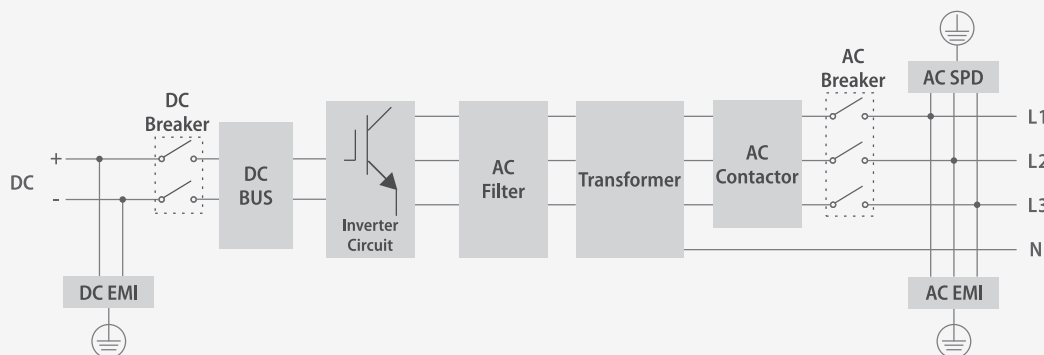
Bidirectional battery inverter from 100kW to 1000kW, can be used alone or with solar charge controllers and other accessories for different application scenarios.

Features

-  Paralleling multiple units
-  Programmable working mode
-  Flexible configuration
-  Touchscreen LCD
-  Support remote control of DG



Block Diagram



	PCS100	PCS250	PCS500	PCS630	PCS1000
AC(on-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1100kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V	400V	400V	400V	400V
Rated current	144A	361A	722A	909A	1443A
Voltage range	360V-440V	360V-440V	360V-440V	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Frequency range	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	47-51.5/57-61.5Hz
THDI	<3%	<3%	<3%	<3%	<3%
PF	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading
AC connection	3/N/PE	3/N/PE	3/PE	3/PE	3/PE
Max. rectified power	100kW	250kW	500kW	630kW	750kW

	PCS100	PCS250	PCS500	PCS630	PCS1000
AC(off-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1100kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V	400V	400V	400V	400V
Rated current	144A	361A	722A	909A	1443A
THDU	≤2% linear	≤2% linear	≤2% linear	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Overload capability	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min
Max. rectified power	100kW	250kW	500kW	630kW	750kW

	PCS100	PCS250	PCS500	PCS630	PCS1000
DC (Battery and PV)					
Rated power	100kW	250kW	500kW	630kW	1000kW
Current regulation	±1%	±1%	±1%	±1%	±1%
Voltage regulatoin	±1%	±1%	±1%	±1%	±1%
Voltage ripple	<3%	<3%	<3%	<3%	<3%
Current ripple	<2%	<2%	<2%	<2%	<2%
Voltage range	500V-820V	500V-820V	600V-900V	600V-900V	650V-860V
Max. charge/ discharge current	220A	550A	917A	1155A	1430A

	PCS100	PCS250	PCS500	PCS630	PCS1000
General Information					
Max. efficiency	97.10%	97.30%	98.50%	98.50%	99.0%
Protection degree	IP20	IP20	IP20	IP20	IP20
Noise emission	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C	-25°C~+55°C
Cooling method	Forced-air	Forced-air	Forced-air	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing	0-95% non-condensing
Max. altitude	6000m (derate above 3000m)	6000m (derate above 3000m)	6000m (derate above 3000m)	6000m (derate above 3000m)	6000m (derate over 3000m)
Dimension(W/H/D)	1100/1890/850mm	1600/2080/850mm	1200/1900/800mm	1200/1900/800mm	1510/1900/850mm
Weight	820kg	1465kg	870kg	900kg	1500kg
Build-in transformer	Yes	Yes	No	No	No
Lightning protection	Type II	Type II	Type II	Type II	Type II
Transfer between on/off grid	Manual(default) Automatic(optional) ≤10ms	Manual(default) Automatic(optional) ≤10ms	Manual(default) Automatic(optional) ≤10ms	Manual(default) Automatic(optional) ≤10ms	Manual(default) Automatic(optional) ≤10ms

	PCS100	PCS250	PCS500	PCS630	PCS1000
Communication					
Display	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN

	PCS100	PCS250	PCS500	PCS630	PCS1000
Certificate					
	CE , MEA , PEA , EN 61000-6-2:2019 , EN 61000-6-4:2019 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011, NRS 097-2-1:2017, VDE 0126, UTE-C, 15-712, EN 50549-1:2019, PSE:2018-12				

REVO EVD-400/480D

Large capacity fast DC EV charging station, double CCS with automatic power adjustment between 2 plugs, each plug support 350A Peak current with wider voltage coverage, LED dynamic SOC display. New cable balancer design.



Features



Programmable charging mode



Comprehensive protection



Multiple communication modes



POS payment terminal



10.4 inch touch screen



EU standard



Dual output ports



Charging cable balancer, effortless cable handling

Model	REVO EVD-400D	REVO EVD-480D
Input & Output		
Input voltage range	362~438V AC	
Rated input voltage	AC400V(3P/N/PE)	
Rated input current	AC 610A	AC 735A
Rated frequency	50Hz	
DC plug type	CCS Type 2,double plugs	
Output voltage range	CCS: DC 150~1000V	
Rated power	400kW	480kW
Max. output current	300A (Nominal), 350A (Peak)	
Voltage accuracy	≤±0.5%	
Current accuracy	≥30A: ≤±1% ; <30A: ≤±0.3A	
Voltage-regulating accuracy	≤±0.5%	
Current-regulating accuracy	≤±1%	
Ripple coefficient	RMS: ≤±0.5%; Peak: ≤±1%	
Metering accuracy	0.5%	
Efficiency	>95%	
Cable Length	5m	
Protection		
Over voltage protection	Yes	
Under voltage protection	Yes	
Over load protection	Yes	
Over-temp protection	Yes	
Emergency protection	Yes	
Short circuit protection	Yes	
Lightning protection	Yes	
Function & Accessory		
Display	10.4 inch touch screen	
Ethernet/WIFI/4G	Yes/Yes/Opt	
Charging mode	APP/RFID/Plug and Charge	
Indicator	Yes	
Emergency stop	Yes	
Charging cable balancer	Yes	
Ocpp	1.6JSON	
Working Environment		
Ingress Protection	IP54	
Operating temperature	-25°C ~+50°C	
Relative humidity	5-95% non-condensing	
Maximum altitude	2000m	
Cooling	Forced air cooling	
Standby power consumption	<150W	<200W
Noise emission	≤65db	
Mechanical		
Dimension (W/H/D)	1750/2100/1372mm	
Weight	700kg	732kg
Certificate		
CE		