



BPS Series

- C&I Hybrid Inverter



Product Highlights:

- Adopt an integrated design, integrating PV controllers, energy storage converters, and on/off-grid automatic switching units, greatly improving customer deployment efficiency and reducing installation costs
- Support PV, diesel generator, battery, load at the same time access, also has strong adaptability
- Support black start
- Various working modes can be set flexibly
- Supports unattended operation , with an HMI digital display panel, which quickly judge the operating status and health of the equipment

30KW-500KW

Specification

Model	BPS-0030	BPS-0050	BPS-00100	BPS-00150	BPS-00250	BPS-0500
AC(on-grid)						
Max output power (kVA)	33	55	110	165	275	550
Rate output power (kW)	30	50	100	150	250	500
Rated voltage(V)	400V					
Voltage Range(V)	320~460V					
Rated current (A)	43	72	144	216	361	722
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55 / 55~65					
THDi	<3%					
Power factor	lagging-leading (Settable)					
AC connection	3w/N/PE					
Transformer ratio	100/480	200/480	270/480	270/400	270/480	315/480
AC(off-grid)						
Max output power (kVA)	33	55	110	165	275	550
Rated power (kW)	30	50	100	150	250	500
Rated voltage (V)	400V					
Rated current (A)	43	72	144	216	361	722
THDu	≤1% linear; or≤5% nonlinear					
Rated frequency (Hz)	50/60					
Overload capacity	110% long-term, 120% 1min					
PV input						
Max.PV input voltage (V)	1000					
Max.PV power (kW)	36/72	60/120	120/180/240	120/180/240	300/360	600/660/720
MPPT voltage range (V)	250-850					
MPPT module quantity	1/2	1/2	2/3/4	2/3/4	5/6	10/11/12
MPPT voltage range@full load (V)	250~850					
Battery						
Battery voltage range (V)	250~850	320~850	420~850	450~850	420~850	500~850
Max. charging power (kW)	36/72	60/120	120/180/240	120/180/240	300/360	600/660/720
General data						
Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	1,200*800*2,050	1,200*800*2,050	(600*720*2,050) *1+1,200*800*2,050	(600*720*2,050) *2+1,600*1,050*2,050
Net weight (kg)	620/650	720/750	1,120/1,150/1,180	1,250/1,280/1,310	1,980/2,010	3,265/3,295/3,325
Relative humidity	0 ~95% non-condensing					
Operation temperature (°C)	-30 ~ 55					
Protection Class	IP20					
Noise emission (dB)	<70					
Operating altitude	<5,000m(>3,000 Derating)					
Cooling	Air Cooling					
BMS communication	RS485, CAN					
EMS communication	RS485, TCP/IP					

