



BPS Series 480V

- C&I Hybrid Inverter



Product Highlights:

- Flexible configuration - adjustable output voltage levels and control strategies to match site requirements.
- Smart monitoring - EMS remote monitoring, port message tracking, and data analysis for easier debugging and maintenance.
- Broad BMS compatibility - works with multiple battery management system protocols.
- Scalable design - supports multi-machine parallel connection for larger capacity and higher reliability.
- Robust C&I application - ideal for commercial and industrial energy storage in 480V High-leg Delta systems with split phase needs.

30KW-500KW



TEEMWAY GROUP LIMITED

Specification

Model	BPS-0030-480	BPS-0050-480	BPS-00100-480	BPS-00150-480	BPS-00250-480	BPS-0500-480
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)	480V High-leg Delta with split phase					
Voltage Range(V)	384~552V					
Rated current (A)	37	61	121	181	301	601
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55 / 55~65					
THDi	<3%					
Power factor	lagging-leading (Settable)					
AC connection	3w/N/PE					
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)	480V High-leg Delta with split phase					
Rated current (A)	37	61	121	181	301	601
THDu	≤1% linear; or≤5% nonlinear					
Rated frequency (Hz)	50/60					
Overload capacity	110% long-term					
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					

