

ALL-IN-ONE ESS

Smart Energy. Reliable Power. Sustainable Living.



- ✓ **All-in-one design:**
Highly Integrated Design
- ✓ **Plug-and-Play:**
Built-in EU Socket
- ✓ **Flexible and Easy Expansion:**
Compatible with Basengreen Batteries
- ✓ **Smart Display Screen:**
Support 17 languages

High Performance

High Reliability

Intelligent Control

Flexible Expansion

Model	BR-YFVT-166KP1-EUKS	
Input	Input Wiring	L+N+PE
	Rated Input Voltage	220/230/240Vac
	Voltage Range	90-280Vac±3V (APP Mode) 170-280Vac±3V (UPS Mode)
	Frequency Range	50/60Hz(Auto Adaptive)
Output	Output Voltage	220/230/240Vac±5%
	Output Frequency	50/60Hz±0.1%
	Output Waveform	Pure Sine Wave
	Rated Output Power (Battery)	6200W
	Rated PV Inverter Power	6500W
	Peak Power	12400VA
	Over Load Ability	Battery Mode : 11s@110%~150% Load; 2s@150%~200% Load;400ms@>200% Load
Battery	Battery Voltage	51.2Vdc
	Rated Capacity	314Ah
	Nominal Energy	16076.8Wh
	Max. Charge Current	200A
Chargers	PV Charging Mode	MPPT
	MAX PV Input Power	8500W
	Maximum PV Input Voltage	500Vdc
	Maximum PV Input Current	27A
	MPPT Tracking Range	60~450Vdc
	Best PV Voltage	360~430Vdc
	MAX PV Charging Current	120A
	MAX AC Charging Current	100A
	MAX Charging Current	120A
Environments	Operating Temperature	-10 C ~50 C
	Operating Humidity	20%~95%(Non-condensing)
	Altitude	The altitude should not exceed 1000m. Above 1000m, derating applies, with a maximum of 4000m, referring to IEC62040
	Noise	≤50dB
System	Dimension(L*W*H)	550*270*1085mm
	Weight	139kg
	Cycle Life	≥8,000 Cycles (80% DoD, 25°C, 0.5C)
	Warranty	10 Years(Battery Module) 2 Years(Inverter Module)