

Hybrid Inverter

BRAVO-U5K-PH-US

BRAVO-U6K-PH-US

BRAVO-U8K-PH-US

BRAVO-U10K-PH-US

BRAVO-U12K-PH-US

BRAVO-U15K-PH-US

BRAVO-U20K-PH-US



01 Split Phase Hybrid Inverter



High Capability

- 2 independent ports for battery
- Support mixture use of old & new battery



Higher Reliability

- IP66 Outdoor & Indoor Installation
- Ultra silence SiC technology
- Longer lifespan Plug-in design, Easy to install



Smart Monitoring

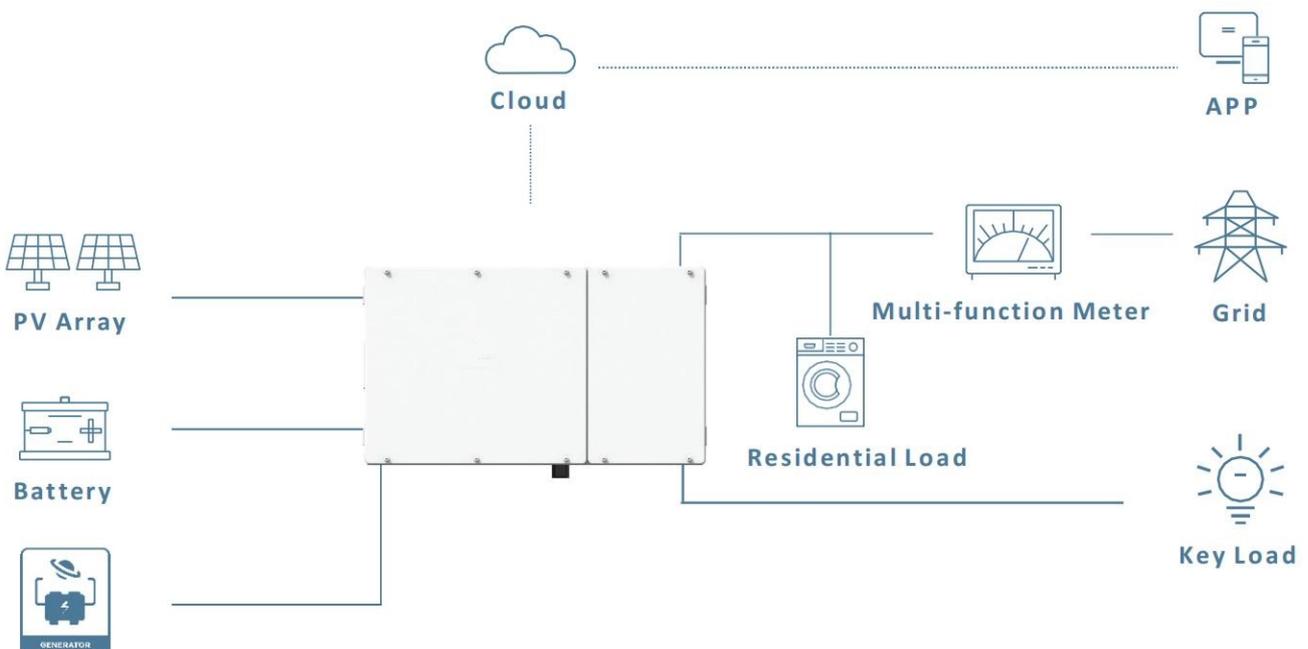
- Automatic sleep mode
- AFCI Function
- Cloud + Smart data analysis



Strong Load Adaptability

- UPS function
- 200% Off-grid Output Overload
- 10ms on/off-grid switchover
- 200A Grid Input, Support Whole Home Loads
- 200A Executive Generator Port

02 Typical Configuration



03 Technical Parameters

Model Name	BRAVO U5K-PH-US	BRAVO U6K-PH-US	BRAVO U8K-PH-US	BRAVO U10K-PH-US	BRAVO U12K-PH-US	BRAVO U15K-PH-US	BRAVO U20K-PH-US
Off-grid Output							
Nominal Output Power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Nominal Output Current	21A	25A	33.5A	41.7A	50A	62.5A	83.5A
Peak Power - Duration	110% for long term, 160% in 10s, 200% in 100ms*						
Nominal Frequency	50Hz/60Hz						
Generator Port AC Input Power	48kW						
Generator Port AC Input Current	200A						
Off-grid Switching Time	<8ms						
On-grid Parameter							
Nominal Output Power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Nominal Output Current	21A	25A	33.5A	41.7A	50A	62.5A	83.5A
Nominal Grid Voltage	120V/240V/208V (240V/208V Single phase support)						
Nominal Input Power from Grid	48kW						
Nominal Input Current from Grid	200A						
PV Input							
Max. DC Input Power	10kW	12kW	16kW	20kW	24kW	30kW	30kW
Starting Voltage	95V						
MPPT Voltage Range	80~500V						
Numbers of MPPT	4						
Max. Input String Per MPPT	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1	2/2/1/1	2/2/2/2
Max. DC Input Current	18A	18A	18A	18A	18A	36/36/18/18A	36A
Short-circuit Current	22A	22A	22A	22A	22A	44/44/22/22A	44A
Battery Parameter							
Battery Type	Lithium-ion/Lead-acid/Sodium-ion(optional)						
Battery Voltage Range	80~480V						
Battery Charging/Discharging Current	50A*2						
Efficiency							
Max. Efficiency	97.6% (TBD)						
CEC Efficiency	97.2% (TBD)						
PV Charge to Battery	97.7% (TBD)						
Max. Battery Charging/Discharging Efficiency	96.6% (TBD)						
General Data							
Dimensions (W*H*D)(in/mm)	31.5*18.5*7.1/800*470*180						
Weight (lb/Kg)	105/48 (TBD)						
Protection Grade	IP66						
Cooling Method	Intelligent Air Cooling						
Communication Method	LED/WIFI/LAN/4G/Bluetooth/RS485						
No-load Loss	<90W						
Operating Temperature Range[°F/°C]	-13~140/-25~60, >104/40 Derating						
Protection	DC Switch; Ground Fault Detection; PV Quick Shutdown Control; PV Arc Fault Detection; PV Input Lightning Protection; PV Reverse Polarity Protection; Battery Reverse Protection; Surge Protection DC Type II /AC Type II; AC Grid Input Circuit Breaker						