







# CBS-100k233kWh-Y

## 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



Project	System Parameters
Rated energy	232.96.kWh, 25°C@0.5c
Rated DC side voltage	832V
Dc side operating voltage	728~923V
Nominal capacity	280Ah (25°C, 0.5C)
System AC side rating	100KW (Off grid load < 100KW)
AC wire feed mode	3P+N+PE
Rated AC voltage	230/400Va.c
Voltage range	-15% ~ +15%
Rated frequency	50Hz/60Hz
Frequency range	±3Hz
Power factor	-1~1
Output harmonics	≤5%
Unbalanced load capacity	100%
Overload capacity	110% load: Running time≥10min, 120% load: Running time≥1min
Off grid mode	Automatic switching (STS)
Thermal management	5kW Liquid cooling
Fire extinguishing methods	Aerosol
Auxiliary control system	Temperature and humidity、Water immersion
External communication interface	RS485、LAN、CAN
External communication methods	ModBus TCP
PV input power	50kW (Optional)
PV MAX. open circuit voltage	900Vd.c (Optional)
MPPT voltage range	200~800Vd.c (Optional)
PV output current	110Ad.c (Optional)
Working temperature	-20°C ~ 55°C (45°C or more)
Storage temperature	-25°C ~ 45°C
Humidity	5%RH ~ 85%RH, non-condensing
Working altitude	45°C, 2000m (no derating is required) , 2000m ~ 4000m derating is used for derating
Noise	68dB (test distance≥1m)
Dimensions (W*H*D)	1556*2235*1350mm
Weight	2800kg±5%
System protection level	IP54 (Battery pack IP67)
Display interface	Chinese and English