



BLUESUN High Voltage Three Phase Hybrid Inverter

12.0KW



Big Lcd display



Three phase unbalanced output



Power export limit



Wifi/GPRS/Lan communication optional



Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
Built-in limiter optional



Safer

comply with international quality standards
tested by TUV,BV,Dekra etc.



Great reliability

IP65 ingress protection
10+years R&D accumulation and support

ANYTIME,ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in
real-time via smartphone app or
web portal using out advanced
monitoring platform .



BSE Series Three Phase



THREE PHASE HYBRID INVERTER

Technology Data

BSE Series BSE12KH3 (12KW)

Model No	BSE12KH3
Input (DC)	
Max DC power	15000W
Max DC voltage	1000Vd.c.
MPPT voltage range	200...850Vd.c.
Max input current/per string	13A/13A
Max. input short circuit per MPPT	18A/18A
Number of MPP trackers	2
Strings per MPP tracker	1
Battery Input	
Battery Type	Li-Ion
Battery voltage range	130-700V
Maximum charge/discharge current	25/25A
Charge strategy for Li-ion Battery	Self-adaptation to BMS
Output (AC)	
AC nominal power	12000VA
Max AC apparent power	13200VA
Max output current	20A
Nominal AC output	50/60Hz; 400/350
AC output range	45/55Hz;280~490Vac(Adj)
Power factor	0.8leading...0.8laging
Harmonics factor	<3%
Grid type	3W/N/PE
Three-phase unbalance output	0~80%
AC Output (Back-up)	
Max AC apparent power	10000VA
Norminal Output Voltage	400/380V
Norminal Output Frequency	50/60HZ
Output THDV (@Linear Load)	<3%
Efficiency	
Maximum conversion efficiency	98.2%
European efficiency	97.5%
Max battery to AC Efficiency	97.4%
MPPT efficiency	99.9%
Safety and Protection	
DC reverse-polarity protection	yes
DC breaker	yes
DC/AC SPD	yes
Leakage current protection	yes
Insulation Impedance Detection	yes
Residual Current protection	yes
Output short circuit protection	yes
Battery reverse connection protection	yes
General Parameters	
Dimension (W/H/D)	516*427*183.5mm
Weight	26kg
Operating temperature range °C	-25°C...+60 °C
Degree of protection	IP65
Cooling concept	Natural convection
Topology	Transformerless
Display	LCD
Humidity	0-95%,no condensation
Communication	Standard WiFi;GPRS/LAN(optional)
Warranty	Standard 5 years; 7/10 years optional
BMS communication	CAN/RS485
Meter communication	RS485
Certificates and Approvals	
CQC, VDE-AR-N4105,IEC61727, IEC62116, VDE0124-AR-N0124, EN50549, IEC62109, IEC62477	