



Technical specification:

Technical Data	FB6KL1
PV Input Data	
MAX.DC Input Power	7KW
MPPT Tracker/Strings	2/1
MPPT Range	125 - 500V
MAX.DC Input Voltage	550V
MAX.Input Current	14A
Battery Input Data	
Nominal voltage (Vdc)	48V
MAX.Charging/Discharging Current	95A/110A
Battery Voltage Range	40-58V
Battery Type	Lithium or Lead Acid Battery
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
AC Output Data (On-Grid)	
Nominal output power Output to Grid	6KVA
MAX. Apparent Power Output to Grid	6.6KVA
Nominal Output Voltage	230(176 to 270)
Output Frequency	50/60Hz
Nominal AC Current Output to Grid	26A
Max.AC Current Output to Grid	26A
Max.AC Current From Grid	26A
Output Power Factor	0.99leading...0.99lagging
Output THDI	< 2%
AC Output Data (Back-Up)	
Nominal. Apparent Power Output	6KVA
MAX. Apparent Power Output	6.6KVA
Nominal Output Voltage L-N	230(176 to 270)
Nominal Output Frequency	50Hz/60Hz
Output THDU	< 2%
Efficiency	
Europe Efficiency	>=97.0%
MAX. Battery to Load Efficiency	>=95.0%

Protection

Over/Under Voltage Protection	YES
DC Isolation Protection	YES
Monitoring Ground Fault Protection	YES
Grid Protection	YES
DC Injection Monitoring	YES
Back Feed Current Monitoring	YES
Residual Current Detection	YES
Anti-Islanding Protection	YES
Overload Protection	YES
Max. Output Fault Current	55A
Max. Output Over Current	28.7A

General Data

Operating Temperature Range	-25 ~ +60°C
Relative Humidity	4-100%(Condensing)
Altitude	
Ingress Protection	IP65
Weight	
Size (Width*Height*Depth)	
Cooling	Natural Convection
Noise emission	
Display	LCD
Communication With BMS/Meter/EMS	RS485 , CAN
Supported communication interface	
Self-consumption at night	