

Technical data and specifications	
Model	ECS105-LB-F-SK
DC Side	
DC voltage range (V)	615~950Vdc (3P3L) / 680~950Vdc (3P4L)
Number of input channels	1
Maximum current (A)	171
Peak short-circuit current (A)	4000
Busbar capacitor discharge time	10 mins
Battery type	Lead-acid batteries/Lithium Battery
AC Side (on-grid only)	
Voltage range/rated voltage (V)	400V±10%
Frequency range (Hz)	50/60±5 Adaptive
Wiring method	3P3W/3P4W
Rated power (KW)	105
Maximum power (KW)	115.5
Rated current (A)	152
Max. Apparent Current (A)	167
Short circuit current (A)	177
Power Factor	0.99
Power factor adjustment range	1 (ahead of) ~ 1 (behind)
Current distortion rate (KW)	<3% (rated power)
DC component	0.50%
Maximum discharge efficiency	98.20%
General Data	
Function&Protection	Battery anti-reverse connection, DC overcurrent protection, AC overcurrent protection, AC overvoltage protection, surge protection, grid monitoring, Operation only in "on-grid " model with anti-islanding function
Dimension (W*D*H, mm)	500 × 270 × 670mm
Weight (kg)	59 kg
Altitude (m)	2000 m (derating when > 2000 m)
Operating temperature	-30°C to 55°C (derating to 80% of power at 55°C)
Storage temperature	-45°C~70°C
Humidity	5%RH~95%RH, non-condensing
Cooling method	Intelligent air cooling
Type of converter	Non-Isolated
Protective class	I
Protection level	IP20
Communication Interface	CAN/RS485
Conformity to standards	GB/T 34120-2017, GB/T 34133-2017, EN 62477, EN IEC 61000, EN 50549-1