Technical Specification

Product Type	Force-H1				
Cell Technology	Li-iron (LFP)				
System Model Name	Force-H1-48/144V	Force-H1-48/192V	Force-H1-48/240V	Force-H1-48/288V	Force-H1-48/336V
Battery System Capacity(kWh)	10.65	14.20	17.76	21.31	24.86
Battery System Usable Capacity(kWh)	9.59	12.78	15.94	19.18	22.37
Battery System Voltage(Vdc)	144	192	240	288	336
Battery System Capacity(AH)	74Ah				
Battery Controller Name	FC0500-40S				
Battery Module Name	FH48074				
Battery Module Quantity(pcs)	3	4	5	6	7
Battery Module Capacity(kWh)	3.552				
Battery Module Voltage(Vdc)	48				
Battery Module Capacity(AH)	74				
Battery System Charge Upper-Voltage(Vdc)	162	216	270	324	378
Charge/Discharge Current(Amps, Standard)	14.8				
Charge/Discharge Current(Amps, Normal)	37				
Charge/Discharge Current(Amps, Max.@15s)	40				
Battery System Discharge lower-Voltage(Vdc)	130.5	174	217.5	261	304.5
Battery System DC Rate Power (kW)	5.33	7.10	8.88	10.66	12.43
Battery System DC Max.Power(kW.@15s)	5.76	7.68	9.60	11.52	13.44
Short circuit rating(Amps)	< 4000				
Efficiency(%)	96				
Depth of Discharge(%)	90				
Dimension(W*D*H,mm)	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Communication	CANBUS/Modbus RTU				
Protection Class	IP55				
Weight (kg)	122	158	194	230	266
Operation Life(Years)	15+				
Operation Temperature(℃)	0~50℃				
Storage Temperature(℃)	-20~60℃				
Humidity	5~95%				
Product Certificate	VDE2510-50, IEC62619, UL1973, IEC62477-1, IEC62040-1, CE, UN38.3				
Warranty	10 Years				
1) Battery Controller Dimensions(W*D*H)	600x380x150mm				
2) Battery Module Dimensions (W*D*H)	600x380x170mm				
3) Battery bottom base Dimensions (W*D*H)	600x380x40mm				