

Guidelines for Parallel Connection of Felicitysolar Batteries: - For the European Market

Due to the consolidation of Felicitysolar product lines and updates to product naming, to help you correctly select and match all Felicitysolar battery series in practical applications, we hereby issue a unified statement on the permitted scenarios for parallel mixing of batteries as follows:

For batteries of different models within the same series, parallel mixing is allowed provided that there are minor differences in cell specifications and their Max.Cont. C/D Current (A) are identical. The specific rules are as follows:

- When the maximum continuous charge and discharge currents are consistent: The batteries can be directly connected for parallel use.
- When the maximum continuous charge and discharge currents are inconsistent: Please contact Felicitysolar staff to uniformly set the maximum continuous charge and discharge current of each battery in the system to the minimum value within the mixing group, to achieve compliant parallel mixing.

Please refer to the table below for the full range of battery models eligible for parallel mixing.

Table 1

Model	Max. Cont. C/D Current (A)	Mixed Use Allowed	Parallel Methods
FLA48100	100	Allowed	Direct Parallel
FLA48100-EU	100		
LUX-E-48100LG03	100		
FLA48171-EU	120	Allowed	Direct Parallel
FLA48200	120		
FLA48200-P	150	Allowed	Direct Parallel
LUX-E-48200LG03	150		
FLA48230	150		
FLA48230-EU	150		
LUX-E-48230LG03	150		
FLA48250	150		
FLA48250-EU	150		
LUX-E-48250LG03	150		
FLA48280	150	Allowed	Direct Parallel
FLA48280-EU	150		
FLA48280TG2-EU	150		
LUX-Y-48280LG01	150		
FLA48300	150		
FLA48300-EU	150		
LUX-Y-48300LG01	150		



Table 1 (Continued)

Model	Max. Cont. C/D Current (A)	Mixed Use Allowed	Parallel Methods
FLA48460-EU	200	Allowed	Direct Parallel
FLA48500	200		
FLA48460-EU	200	Allowed	/
FLA48500	200		
FLA48460TG2-EU	250		
FLA48460TG2-EU	250		Set all Max. Cont. C/D Current (A) to 200A
FLS48100SG1	Max 400A, increasing with parallel battery pack count	Allowed	Direct Parallel
FLS48100SG2			
LUX-X-48100LG01			
FLS48050SG1	Max 80A, increasing with parallel battery pack count	Allowed	Direct Parallel
LUX-X-48050LG01			
FLH96050SG2/ FLH96050SG2-H	50	Allowed	Direct Parallel
【V1.5】:FLH96050SCG1	50		
【V1.5】:LUX-X-96050HCG01	50		
FLH48100UCG2	100	Allowed	Direct Parallel
【V1.5】:FLH48100UCG1	100		
【V1.5】:LUX-Y-48100HCG01	100		
LPBA48100-OL	60	Allowed	Direct Parallel
LUX-E-48100LG04	60		

For any questions, contact Felicitysolar staff at any time

