

## DC RETROFIT

## LSP 100K

- Max. 200kW PV input and 100kW PV output
- Retrofit on-grid system to hybrid system (energy storage)
- DC-coupling, 24 MPPT inputs and 12 MPPT outputs
- 24/7 real-time monitoring via free LUX app and web
- Advanced power management logic
- Colorful touch LCD, IP65 for indoor/outdoor installation



Model		LSP 100K	
<b>PV Input</b>			
Max. input power (kW)		200	
Max. input voltage (V)		1100	
Rated PV input voltage (V)		630	
MPPT voltage range (V)	300 ~ 900		300 ~ 1000
Start-up voltage (V)		330	
Max. short-circuit per MPPT (A)		33	
Max. current per MPPT input (A)		26	
Number of MPPT inputs		12	
Number of input strings		24	
<b>Battery</b>			
Type		Lithium-ion	
Max. charge/discharge power (kW)		100	
Voltage range (V)	300 ~ 850*		300 ~ 700*
Max. charge/discharge current (A)		200	
Max. charge/discharge efficiency		98.1%	
<b>PV Output</b>			
DC-DC output rated power (kW)		100	
Normal output voltage (V)		630	
Output voltage range (V)		500 ~ 1000	
Max. output current (A)		20	
Output strings		12	
Output trackers		12	
<b>Protection</b>			
DC reverse-polarity protection		Yes	
DC surge protection		Type III	
<b>General</b>			
Dimensions (W × H × D)		1015 × 680 × 310 mm / 39.9 × 26.8 × 12 in	
Weight (with mounting plate)		120 kg / 264.5 lbs	
Protection degree rating		IP65	
Topology		Transformer-less	
Cooling method		Natural Cooling	
Relative humidity		0% ~ 100%	
Operating environment temperature range (°C)		-25 ~ 60	
Connector (PV input and Output)		MC4	
Battery connector		Screw	
Max. Operating Altitude (m)		4000	
Warranty		5 years	
Display		Touch color screen, LED + LCD	
Communication interface		RS485 / CAN / Wi-Fi	

#### Standards & Certifications

EN 62109-1 / -2, EN61000

\*Note: The 300~700V battery voltage range corresponds to a 300~1000V PV input;  
The 300~850V battery voltage range corresponds to a 300~900V PV input

