

DC RETROFIT

LSP 100K

Thanks to LSP 100K, it's now easy

To retrofit an existing PV system by incorporating DC side coupling to create an energy storage system. With this enhanced storage system:

- It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule.
- By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the peak-shaving operating mode.



- 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

Specifications

INPUT (PV DC)		LSP 100K	
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)		40	
Max. current per MPPT input(A)		26	
Number of MPPT inputs		12	
Number of input strings		24	
Battery			
Type		Lithium-ion/Lead-acid	
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%	
PV output			
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	
Protection			
DC reverse-polarity protection		Yes	
DC surge protection		Type II	
General			
Dimensions(W*H*D)		1015*680*310mm/39.9*26.8*12inch	
Weight(with mounting plate)		120kg/264.5lbs	
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	
Altitude		<4000m	
Warranty		5 years	
Display		Touch color screen, LED+LCD	
Communication interface		RS485/CAN/Wi-Fi	
Standards & Certifications			
EN 62109-1 / -2, IEC 62109-1 / -2			

*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

