DC RETROFIT

LSP 100K

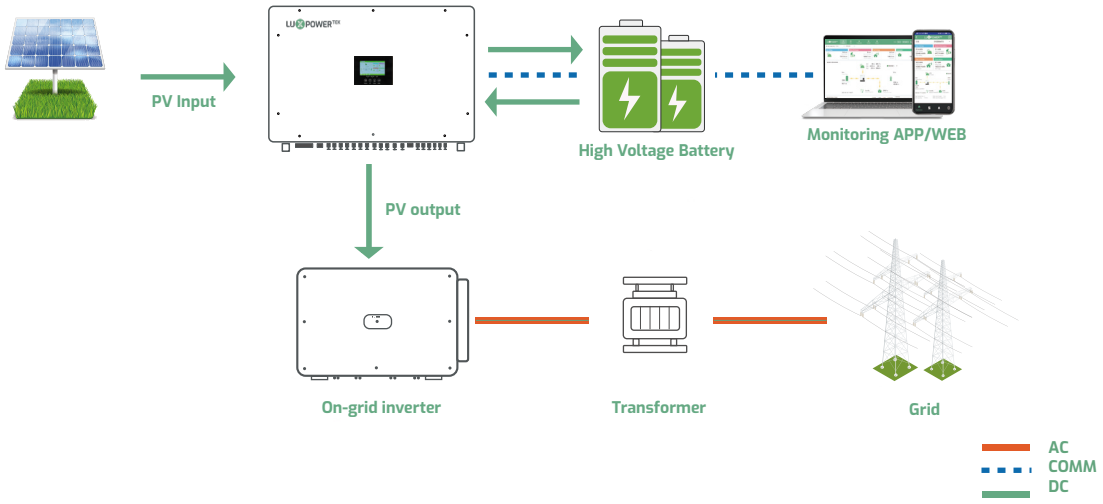
Thanks to LSP 100K, it's now easy

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

Specification

Your Reliable Energy Solution Partner

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)	300~1000
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
Battery	
Type	Lithium-ion/Lead-acid
Max. charge/discharge power (kW)	100
Voltage range (V)	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 arrester	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