

DC RETROFIT

LU X POWER^{TEK}

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

SpecifiCation

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. charging/discharging power(kW)		100
Voltage range(V)		300~700
Max. charging/discharging current(A)		200
Max. charging/discharging 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		-25°C~60°C
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

