

DC RETROFIT LSP - 100K



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

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

