

Thanks to the LSP 100k, it's now easy

to retrofit an existing PV system to include DC side coupling in order to create an energy storage system. With this new storage system, compatible batteries and more PV panels can be added while also allowing the PV system to work on a schedule. This will largely increase the self consumption rate and help with peak shaving.

DC/DC LXP 100k

- Max. 200kW input, 100kW output
 - Retrofit on grid system to energy storage hybrid system
 - DC coupled, 24strings Solar input and 12 strings output
- Advanced power management
 - IP65 design, quick installation
 - Touch screen, free monitor
 - Handy apps available on mobile

Source:<https://www.pv-magazine.com/2022/03/16/luxpowertek-launches-multi-string-dc-dc-converter/>

Specification

Input	LSP 100k
Max. input power	200kW
Max. input voltage	1000V
Input nominal voltage	630V
Input voltage range	300-1000V
Start voltage	330V
Max. short current per MPPT	40A
Max current per MPPT input	26A
Number of MPPT tracks	12
Number of input strings	24
Output	
DCDC output rated power	100kW
Nominal output voltage	650V
Output voltage range	500~1000V
Max output current	20A
Output strings	12
Output tracks	12
Battery	
Type	Lead-acid/Lithium
MAX charge and discharge power	100kW
Voltage range	300~700Vdc
MAX charge and discharge current	200A
Max charge and discharge efficiency	98.1%
Protection	
DC Reverse-polarity Protection	Yes
DC Surge Arrester	Type II
Communication	
Display	LED+LCD/Touch botton
WiFi	Yes
General	
Dimensions (W x H x D)	1015*680*310 (40*26.8*12.2 inch)
Weight (with mounting plate)	120 kg (264.5 lbs)
Protection Degree	IP65
Topology	Transformerless
Cooling Method	Air cooling
Relative Humidity	0%~100% Relative Humidity(Non-condensing)
Operating Temperature Range	-25°C ~ 60°C
Connector(PV input and Output)	Amphenol UTX
Max. Operating Altitude	<4000m
Warranty	5 year
Standards	EN 62109-a1/-2, IEC 62109-1/-2

