

SE-PCS 130

Modular PCS

SE-130K-TL-P

On-grid & Off-grid | Li+ battery ready

Key features

-  **Three-level topology**
THDi < 3% at rated power
-  **AC/DC dual power backup**
-  **Modular design**
Supports parallel units up to 10 nos
-  **Wide DC voltage range**
650–950 V DC input
-  **Seamless On-grid/Off-grid switching with an STS module**
-  **Supports grid following & grid forming operations**



Key specifications

130kW

Rated power

143kVA

Max. power

98.6%

Max. efficiency

Applications



Microgrid



Utility



Factory



Farm



Hospital



Hotel

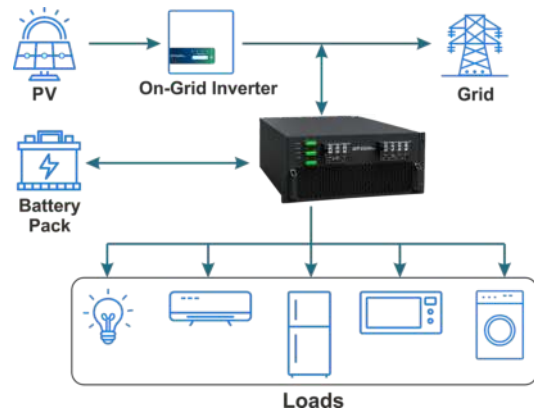
Modular PCS

SE-PCS 130

SE-130K-TL-P

130 kW | 143kVA

Technical specifications



Parameters	SE-130K-TL-P
DC Side	
DC Voltage Range [V]	650~950
Number of DC Inputs	1
Battery Type	Lithium
AC Side (On-Grid)	
Rated Power [kW]	130
Max. Power [kVA]	143
Rated / Max. Output Current [A]	188 / 206
Rated Grid Voltage [V]	400 V AC $\pm 15\%$
AC Connection	3P4W
Rated Grid Frequency [Hz]	50/60Hz $\pm 5\text{Hz}$
THDi	<3% (@ rated power)
AC Side (Off-Grid)	
Rated Output Power [kW]	130
Max. Output Power [kVA]	143
Rated Output Voltage [V]	400
Rated Output Frequency [Hz]	50/60Hz $\pm 5\text{Hz}$
THDu	<3% (@ linear load)
Unbalanced Load Capacity	100%
Efficiency	
Max. Efficiency	98.6%
General Parameters	
Protection Function	DC Over-voltage Protection, DC Short Circuit Protection, AC Over-voltage Protection, Polarity Reversal Protection, Module Temperature Protection
Isolation Transformer	Transformerless design
Protection Level	IP20
Cooling Method	Forced Air cooling
Relative Humidity	0~95%, non-condensing
Operating Temperature [$^{\circ}\text{C}$]	-30~+55
Altitude [m]	4000 (>2000 Derating)
Communication Interface	RS485
Communication Protocol	Modbus
Weight [kg]	~50
Dimensions (W*D*H) [mm]	440x650x220

Specifications are accurate at the time of printing. Statcon Energiaa reserves the right to change data and parameters without notice.

