









# EENOVANCE

## RESIDENTIAL STORAGE INVERTER



### SQ 6kW-LV-1P Hpro | Single Phase

-  IP65 design, more installation scenario
-  Smart fan control, less noise
-  Opened front cover, easy wiring
-  Wireless CT (optional), easy installation
-  10 units in parallel in on / off grid
-  3 units in parallel to built three phase
-  Multiple Operation Modes
-  User friendly LCD display + WIFI / Bluetooth monitoring

# DATASHEET

Model	SQ 6kW-LV-1P Hpro
<b>Battery Input Parameters (DC Input)</b>	
Supported battery type	LiFePO <sub>4</sub> or Lead-acid
Battery Voltage range	40 ~ 60 V
Max. charge / discharge current	120 A (Configurable) / 130 A (Configurable)
Battery capacity (Recommend)	100 ~ 2000 Ah
Battery communication	CAN
<b>PV String Input Parameters (DC Input)</b>	
Max. DC input power	4000 x 2=8000 W
Max. DC input voltage	500 V
MPPT voltage range	120 ~ 450 V
Start-up voltage	150 V
Max. input current	15 x 2 =30 A // 2 MPPT channels
<b>AC Output Parameters (Back-Up) (Feed to essential load)</b>	
Max. output power	6000 W
Max. / Peak output apparent power	6000 VA / 12000 VA
Max. output current	28 A
Nominal output voltage	220 V / 230 V / 240 V (Configurable) 1 phase
Nominal output frequency	50Hz / 60Hz (±0.2%) (Configurable)
Max. bypass current	40 A
Shift time (Bypass and inverter)	10ms
Output THD (Resistor load)	<3%
<b>AC input parameters (On-grid )(Bypass to essential load &amp; Charge the battery/ Feed to home load) GEN</b>	
Max. (apparent) power: Bypass to essential load & Charge the battery Feed to home load	6000 W
Nominal input/output voltage	220V / 230 V / 240 V (Auto adjusted)
Nominal input/output frequency	50Hz / 60Hz (Auto adjusted)
Parallel Function	Max. 10 units in parallel
Independent Generator Port	Yes
<b>Efficiency</b>	
Max. efficiency	97.60%
Europe efficiency	97.60%
MPPT efficiency	99.90%
Max. battery to load efficiency	94.00%
<b>Protection</b>	
Protection	Battery over charge / discharge, Over temperature, Output over load, Output short circuit, Output over voltage, Battery low-voltage.
<b>Monitoring&amp;HMI</b>	
Monitoring	WIFI / Bluetooth
HMI	Touch Screen + Indicators
<b>Certifications &amp; Standards Compliance</b>	
Grid regulation	IEC 61727 / IEC 62116 / EN50549 / ABNT NBR / MEA, PEA (more available upon request)
Safety regulation	IEC / EN62109-112, IEC / EN 62477-1
EMC	IEC / EN61000-6-1/3
<b>General Parameters</b>	
Ingress protection	IP65
Operating temperature range	-25°C ~ 60°C
Net weight / Gross weight	25 kg / 27 kg
Product size / Packing size (W×D×H)	402×227×536 mm / 460×315×640 mm