

**TRUSTED ENERGY PARTNER
FROM FINLAND
SINCE 1975**



EH 60~130-F Series



SAFE AND RELIABLE



FLEXIBLE CONFIGURATION



HIGHLY ADAPTABLE



ADAPTABILITY TO ENVIRONMENT



COST- EFFECTIVE



Battery								
Model	EH 60-F	EH 70-F	EH 80-F	EH 90-F	EH 100-F	EH 110-F	EH 120-F	EH 130-F
No. Of Packs	6	7	8	9	10	11	12	13
Total Battery Capacity [kWh]	61.44	71.68	81.92	92.16	102.4	112.64	122.88	133.12
Rated Voltage [Vdc]	307.2	358.4	409.6	460.8	512	563.2	614.4	665.6
Nominal Charge / Discharge Current [A]	100 / 100							
Max.Charge / Discharge Current [A]	200 / 200							
Cooling Method	Intelligent Air-cooling							
Hybrid Inverter								
Model	LM HI-30				LM HI-50			
DC (PV) Parameters								
Max.Input Voltage [V]	1000							
PV Rated Voltage [VDC]	620							
Max. DC Input Power [kW]	48				80			
Voltage Range of MPPT [V]	200 - 850				200 - 850			
Number Of MPPT	4							
String Number Per MPPT	2							
AC On-grid Parameters								
Rated Power [kW]	30				50			
Max. Output Apparent Power [kVA]	33				55			
Rated Output Current [A]	45.5 /43.5 / 41.7				75.8 / 72.5 / 69.4			
Power Factor	0.8 leading ...0.8 lagging							
THDi (@Rated Power)	<3%							
Maximum Input Apparent Power [kVA]	36.0				60.0			
AC Off-grid Parameters								
Rated Output Power [kW]	30				50			
On-off Grid Switching Time [ms]	< 10							
Peak Output Apparent Power	40.5 @10s				67.5 @10s			
AC Generator Parameters								
Max. Input Apparent Power [kVA]	36				60			
Rate AC Voltage [V]	3L/N/PE ; 220 / 380 ; 230 / 400 ; 240 / 415							
System Parameters								
Weight [kg]	1001	1083	1165	1247	1329	1411	1493	1575
Cabinet Dimensions(W*D*H) [mm]	1050 * 1480 * 1850							
Inverter Dimensions(W*D*H) [mm]	800 * 300 * 620							
Pack Dimensions(W*D*H) [mm]	400 * 1040 * 135							
IP	IP55							
EMS Communication	CAN / RS485							
Operating Temperature Range [°C]	-20~55(Derating above 45)							
Operating Humidity Range [%]	5~95(Non-condensing)							
Working Altitude [m]	3000m(>2000m Derating)							
Number Of Cycles [cycles]	>6000(Cumulative cycling capacity)							
Certification	IEC62619 ; EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 ; IEC61000 IEC 62477-1:2012; IEC 61727 ; IEC 62116 ; IEC 62619 ; UN 3480							