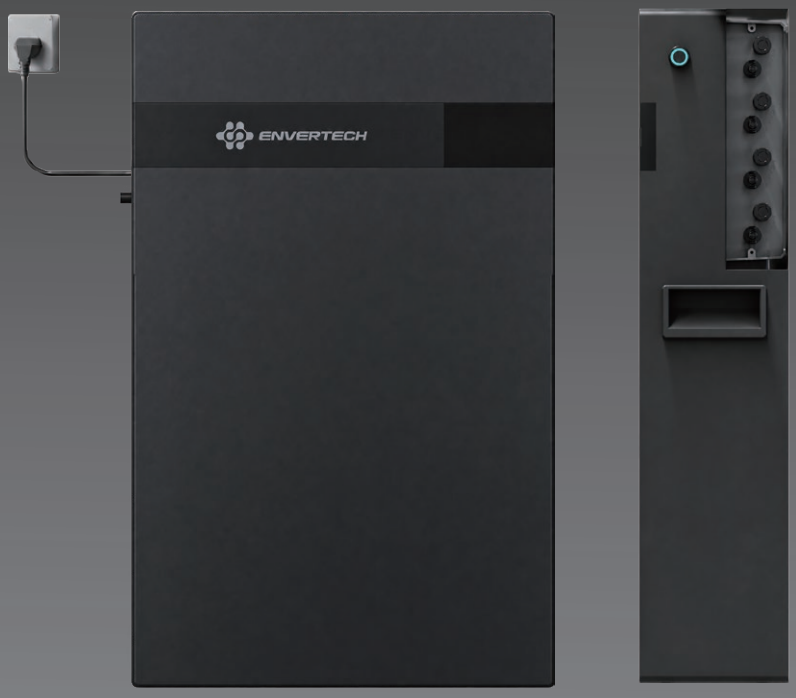
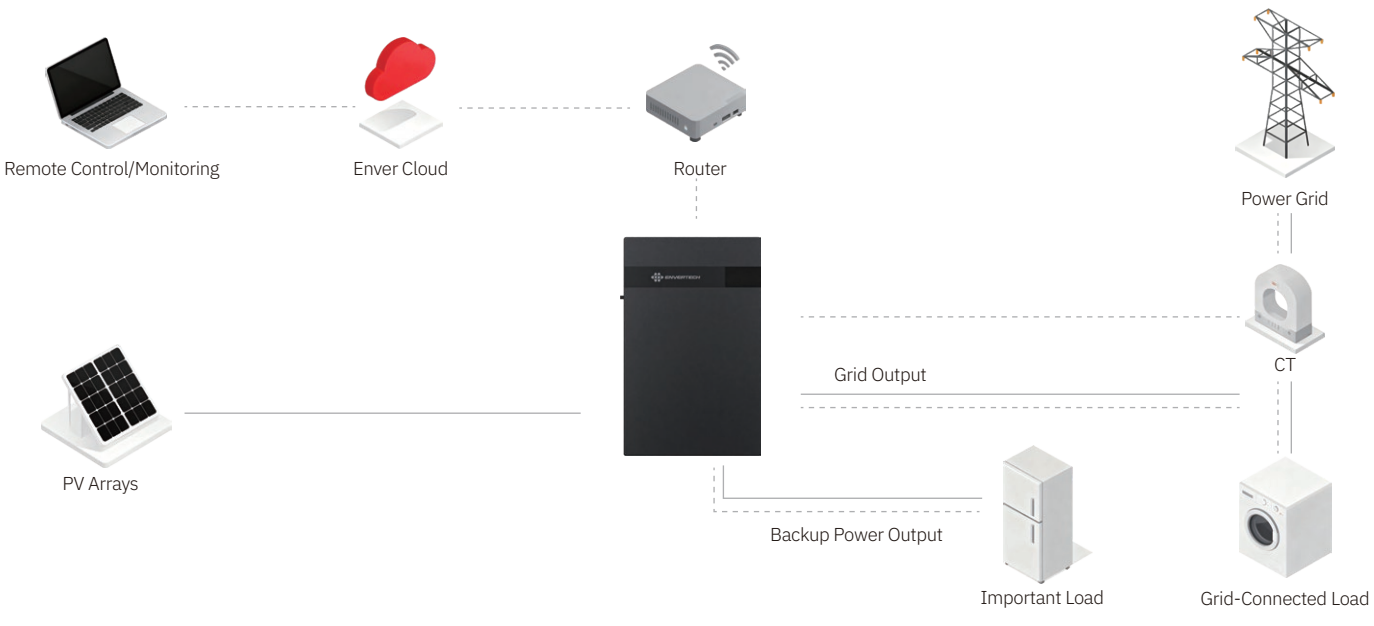
EnverCube



EC5000

Energy Storage Solutions



Monitoring

Enables users to manager the systems in a smart digital way via Built- in Wi-Fi

ENVERTECH
www.envertec.com

DATASHEET

Model	EC5000
Rated Capacity	5000 Wh
Battery System	
Battery Type	Rechargeable Li-ion Battery (LFP)
Battery Capacity	5000 Wh
Max Charging Power	2500 W
Cycle Life	>6000
Depth of Discharge	90%
Operating Voltage Range	43 V-60 V
Charge/Discharge Current	50 A
PV Input	
Maximum Input Voltage	60 V
Operating Voltage Range	18-60 V
PV Start-up Voltage	18 V
Number of MPPT	4
Input Rated Current	30 A × 4
Maximum Input Short Circuit Current	50 A × 4
Maximum Input Power	1200 W × 4
AC Input/Output(On-Grid)	
Rated Input Power	2500 W
Rated Output Power	2500 W
Max. Output Apparent Power	2750 VA
Grid Type	Single-Phase
Grid Voltage Range	220 / 230 V AC, L+N+PE
Rated Frequency	50 / 60 Hz
Nominal Output Current	10.87 A
Power Factor	0.8 leading ... 0.8 lagging
Total Harmonic Distortion	<5 %
AC Input/Output(Off-Grid)	
Rated Output Power	2500 W
Max. Output Apparent Power	2750 VA
Peak Power	4000 VA (10 s)
Grid Type	Single-Phase
Grid Voltage Range	220 / 230 V AC, L+N+PE
Rated Frequency	50 / 60 Hz
Nominal Output Current	10.87 A
Power Factor	0.8 leading ... 0.8 lagging
Total Harmonic Distortion	<5 %
General	
Operating Temperature Range	–20 ℃ to +55 ℃
Inverter Topology Type	Isolated
Relative Humidity Range	10% to 95%
Protective Class	I
Overvoltage/Voltage Withstand Level	DC II / AC III
Ingress Protection	IP65
Cooling	Natural Convection
Operating Altitude Range	≤ 2000 m
Installation Method	Floor Standing
Installation Location	Indoor / Outdoor
Standard Warranty	60 Months
Communication Method	Wi-Fi
On/Off-Grid Switching Time (ms)	≤ 15 ms
Dimension	700 × 474 × 150 mm
Weight	54 ± 0.5 kg
On-Grid Connection Standard	EN 50549-1; VDE 4105-0124
Regulatory/EMC	IEC 62040; IEC 62477; IEC/EN 61000-6-1/-2-/3-/4; IEC/EN 61000-3-2/-3; EN 300328; EN 301489-1/-17; EN 50665; IEC 62619