ENCORE HPS HYBRID INVERTER RANGE

Range Overview Specification Sheet



				No.	
	HPS50	HPS100	HPS150	HPS250	HPS500
AC (On-Grid)					
Max Output Power [kVA]	55	110	165	275	550
Rated Power [kW]	50	100	150	250	500
Rated Voltage [V]	400				
Rated Current [A]	72	144	216	361	722
Voltage Range [V]	320~460				
Rated Frequency [Hz]	50/60				
Frequency Range [Hz]	45~55/55~65				
THDI[%]	ব				
Power Factor	1lagging~1leading				
AC Connection	3W+N+PE				
Transformer Ratio	200/400	270/400	270/400	270/400	315/400
AC (Off-Grid)					
Max Output Power [kVA]	55	110	165	275	550
Rated Power [kW]	50	100	150	250	500
Rated Voltage [V]	400				
Rated Current [A]	72	144	216	361	722
THDu[%]	≤1% linear; or ≤5% non-linear				
Rated Frequency [Hz]	50/60				
Overload Capacity	110% (5 minutes per 15 minute intervals)				
Photovoltaic Input (MPPT Charge Controllers Optional)					
Max. PV Input Voltage [V]	1000			750	
Max. PV Power [kW]	60-120	60-180	60-240	60-300	60-600
No. of MMPT Charge Controllers	1-2	1-3	1-4	1-5	1-10
MPPT Voltage Range [V]	600-880			450-650	
String Voltage Constraints	Voc to be 200V to 250V higher than max battery voltage			Voc to be less than min battery voltage	

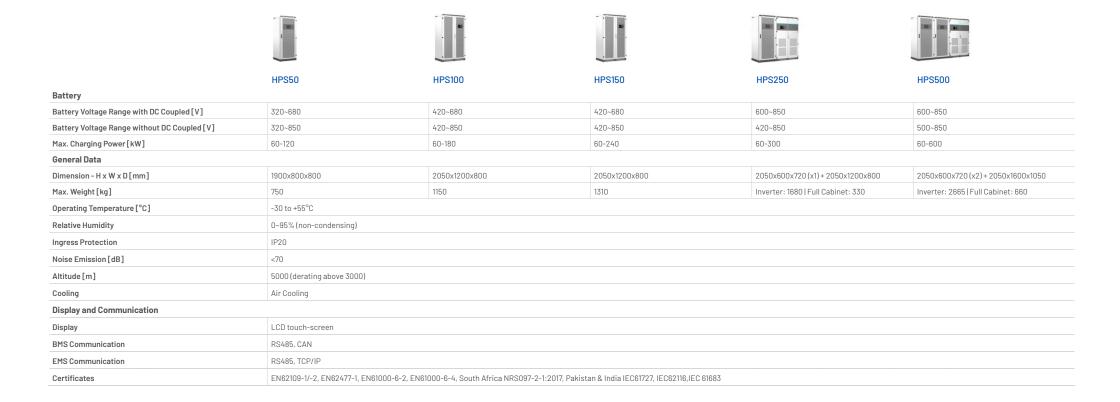
DISTRIBUTORS AND RESELLERS

Contact your nearest Accredited Freedom Won Distributor or Reseller Installer for further sales and technical support.

ENCORE HPS HYBRID INVERTER RANGE

Range Overview Specification Sheet





Notes to Specification Sheet

- 1. MPPT Charge Controllers are an optional extra for all HPS Inverters. The HPS250 and HPS500 require an additional MPPT Charge Controller Cabinet to house the MPPT Charge Controllers.
- 2. HPS250 and HPS500 do not have an internal bypass switch.
- 3. Any motors exceeding 7% of the selected HPS inverter's power rating must be fitted with a VSD. The total connected inductive load without VSD's may not comprise more than 15% of the HPS inverter's rated power.
- 4. Paralleling up to 4 inverters is possible BUT each inverter must have its own battery DC bus.
- 5. Weights and dimensions are based on the inclusion of the maximum number of MPPT charge controller modules.

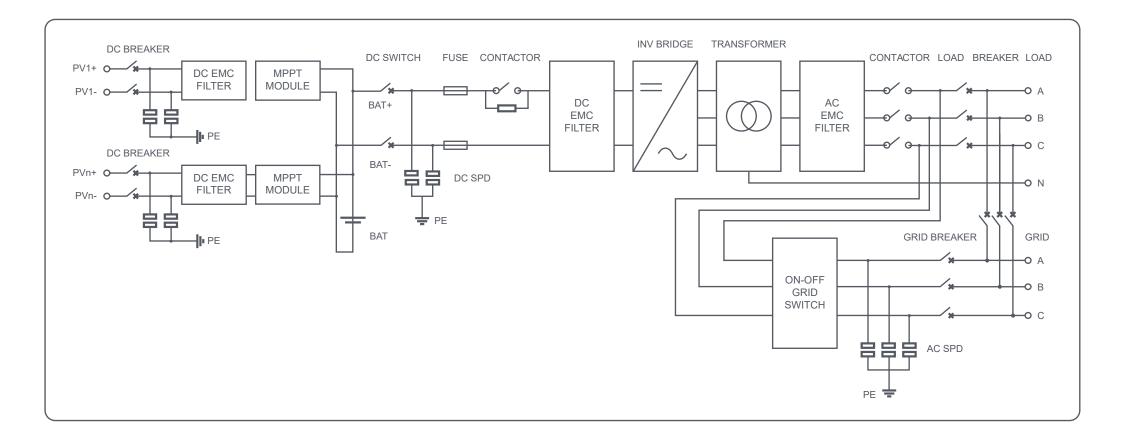
DISTRIBUTORS AND RESELLERS

Contact your nearest Accredited Freedom Won Distributor or Reseller Installer for further sales and technical support.

Plug into The Current Future



Wiring Diagram



DISTRIBUTORS AND RESELLERS

 $Contact\ your\ nearest\ Accredited\ Freedom\ Won\ Distributor\ or\ Reseller\ Installer\ for\ further\ sales\ and\ technical\ support.$