

SPECIFICATION FOR SERIES INVERTER UPS 8 TO 30KVA

HYUNDAI MODEL	HDI-8K1	HDI-10K1	HDI-15K1	HDI-20K1	HDI-30K1
Rated Power	8Kva/6.4Kw	10Kva/8Kw	15Kva/12Kw	20Kva/16Kw	30Kva/24Kw
Type	3 Phase Input - 3 Phase Output				
Technology	DSP based PWM Technology using IGBT with Galvanic Isolation				
INPUT PARAMETERS					
No. of Phases	3 Phase, 4 Wire and Ground				
Voltage Range	300V ~ 470VAC				
Frequency Range	45Hz ~ 55Hz				
OUTPUT PARAMETERS					
No. of Phases	3 Phase, 4 Wire and Ground				
Voltage Regulation	230 ± 10% (P:N) ; 400V ±10% (P:P)				
Frequency Regulation	50Hz ± 0.1 Hz				
Peak Efficiency	>90%				
Output Waveform	Pure Sine Wave				
Output Power Factor	0.75 ~ 0.80				
Total Harmonic Distortion	<7% (On Linear Load)				
Overlead Handling Capacity	110% for 10 Secs, 150% for 1secs,				
BATTERY PARAMETERS					
Battery String Voltage	120 / 180VDC	180VDC	180 / 360VDC	360VDC	360VDC
Number of 12V Batteries	10 / 15	15	15 / 30	30	30
Battery Recommendation	High Quality Deep Discharge Lead Acid Tubular or Tower Tubular Battery				
Configuration	45Ah ~200Ah / 12V			100Ah ~200Ah / 12V	
Battery Charging Current	8-10% of the rated battery capacity				
Typical Recharge Time	90% Capacity After 8hrs Charging				
Back-up Time (Typical)	> 2Hr ~ 4Hr at Full Load (Depending on model capacity, battery AH and connected load)				
INDICATION & COMMUNICATION					
Communication Interface	Smart RS232 Communication with Monitoring Software (SNMP, Modem Optional)				
Bypass	Manual standard & Automatic(OPTIONAL)				
Functions & Protection	Over Load, Short Circuit, Reverse Phase, Low Battery, Battery Deep Discharge, Battery Charged, Battery Charging, Over Temperature, Mains / Back-up Mode etc				
LCD Indication	Input Voltage / Frequency, Output Voltage / Frequency, Load/Battery bar graph,				
	Operation Mode such as "on line", "on batt", or "or bypass"				
Audible Alarm	Illegal Shut down / Battery Mode / Low Battery / Over Load / Over Temperature / Fault				
ENVIRONMENTAL PARAMETERS					
Storage Temperature	0 ~ 50°C				
Operating Temperature	0 ~ 40°C				
Acoustic Noise at 1Mtr.	<55db				
Relative Humidity	0 ~ 90% Non Condensing				
Thermal Management	Integrated Cooling (Fan & Heat Sink) with excellent Aerodynamic Design				
PHYSICAL PARAMETERS					
Dimensions - Physical / Packing (WxDxH) in mm	260x570x717	555x725x1220	555x725x1220	555x725x1220	555x725x1220
	430x700x845	660x855x1425	660x855x1425	660x855x1425	660x855x1425
Weight - Net / Gross (Kgs)	39/51	223/280	260/317	265/325	336/393