

SPECIFICATION FOR SERIES INVERTER UPS 40 TO 100KVA

HYUNDAI MODEL	HDi-40K3	HDi-60K3	HDi-80K3	HDi-100K3
Rated Power	40Kva/32Kw	60Kva/48Kw	80Kva/64Kw	100Kva/80Kw
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	360VDC	360 / 384VDC	360 / 384VDC	432VDC
Number of 12V Batteries	30	30 / 32	30 / 32	36
Battery Recommendation	High Quality Deep Discharge Lead Acid Tubular or Tower Tubular Battery			
Configuration	100Ah ~1000Ah / 2V / 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	555×725×1220	800×745×1400	800×745×1400	1070×745×1400
	660×855×1425	880×945×1585	880×945×1585	1254×875×1585
Weight - Net / Gross (Kgs)	351/408	497/574	556/633	756/856