

SPECIFICATION FOR SERIES ONLINE UPS 80 TO 120KVA			
HYUNDAI MODEL	HD-80K3	HD-100K3	HD-120K3
Capacity	80KVA/64KW	100KVA/80KW	60KVA/96KW
Type	Three Phase Input - Three Phase Output		
Technology	DSP Based Double Conversion On-line system with Galvanic Isolation		
INPUT PARAMETERS			
No. of Phases	3 Phase 4 Wire and Ground		
Voltage Range	400V \pm 20%		
Frequency Range	45 ~ 55Hz		
Input Power Factor	=0.9		
OUTPUT PARAMETERS			
No. of Phases	3 Phase 4 Wire and Ground		
Voltage Range	380/400/415V (Optional)		
Phase Voltage Setting	200V-240V (Selectable from inside panel)		
Frequency Range	50/60Hz \pm 0.1Hz		
Waveform	Pure Sine wave		
Total Harmonic Distortion	3% (Linear Load)		
Overload Capacity	110% / 125% / 150% Rated Current 10 min / 1min / 1sec		
Load Crest Factor	3:1 (Max)		
Short Circuit Current	0.1s (200% current)		
Transient Response	\pm 5% in 10ms		
Range of Phase Lock	With synchronization: \pm 0.05% ; Without synchronization: \pm 2% (Selectable \pm 1% on the control panel)		
Peak Efficiency	93%		
BATTERY PARAMETERS			
Battery Recommendation	High Quality Deep Discharge Lead Acid Maintenance-free VRLA, AGM Battery		
Configuration	7AH \leq 12V External Battery \Rightarrow 200AH		
Battery String Voltage	384VDC	432VDC	480VDC
Number of 12V Batteries	32	36	40
Charging Technology	Intelligent Battery Management Function (ABM), Automatically convert to constant-current constant-voltage charging technology.		
Charge Current	10% of the rated battery capacity		
Recharge Time	90% Capacity After 8hrs Charging		
Back up Time	> 2Hr ~ 4Hr at Full Load (Depending on model capacity, battery AH and connected load)		
BYPASS			
Type	Static + Manual Maintenance Bypass		
Input Phase	3 phase 4 wire and ground		
Input voltage range	15% ~ 25% (the front control panel selectable)		
Input frequency range	\pm 1% ~ \pm 5% (the front control panel selectable)		
Transfer Time	Between AC Mode and Battery Mode : 0ms		
	Between AC Mode and Bypass Mode 1ms		
Overload Capacity (10min)	110%		
INDICATION & COMMUNICATION			
Communication Interface	Smart RS232 Communication with Monitoring Software (SNMP Optional)		
Remote Signaling	Dry Contact (Battery low, Battery Discharging, Bypass/ Fault) ; Output 12Vdc / 80mA (Optional)		
Remote Control	EPO & Bypass (Optional)		
Parallel Port	Parallel Modules can be up to six(OPTIONAL)		
Functions & Protection	Over Load, Short Circuit, Low Battery, Battery Deep Discharge, Battery Charged, Battery Charging,		
LCD	Standard Parameters		
	Operation Mode such as "on line", "on batt", or "or bypass"		
ENVIRONMENTAL PARAMETERS			
Storage Temperature	40 ~ 45°C		
Operating Temperature	0 ~ 40°C		
Acoustic Noise at 1Mtr.	<55db		
Relative Humidity	0 ~ 95% Non Condensing		
Altitude	1000m output nominal power (with increase of 100m, it will reduce output of 1%) max 4000m		
Thermal Management	Integrated Cooling (Fan & Heat Sink) with excellent Aerodynamic Design		
PHYSICAL PARAMETERS			
Dimensions - Physical / Packing (WxDxH) in mm	800×745×1400	1070×745×1400	
	880×945×1585	1254×875×1585	
Weight - Net / Gross (Kgs)	556/633	756/856	901/1001